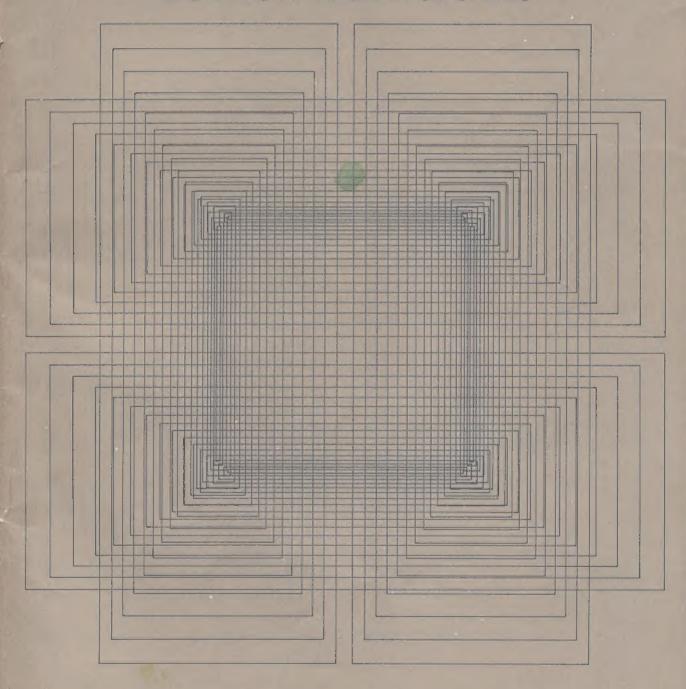
SOUND DATA BOOK

DIGITAL SYNTHESIZER CZ SERIES



CASIO

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| -TONE NAME | CARTRIDGE NO. | TONE NO. |
|----------------|---------------|----------|
| SYNTH. BRASS 2 | | |

| | MODUI | LATION | | | |
|-----------------|-----------|--------|--|--|--|
| LINE SELECT | RING NOIS | | | | |
| 1+2' | OFF | OFF | | | |
| (1,2,1+2',1+1') | (ON/ | OFF) | | | |

| DETUNE | | | | | | | |
|--------|---------|--------|----------|--|--|--|--|
| +/- | OCTAVE | NOTE | FINE | | | | |
| + | 0 | 00 | 07 | | | | |
| +/-) | (0 - 3) | (0~11) | (0 - 60) | | | | |

| | VIBR | ATO | | 00 | CTAVE |
|-------|--------|----------|--------|-------|-------|
| WAVE | DELAY | RATE | DEPTH | +/- | RANGE |
| 1 | 60 | 50 | 08 | + | 0 |
| (1-4) | (0-99) | (0 ~ 99) | (0-99) | (+/-) | (0-1) |

1

DCO 1

| WAVE | WAVE FORM | | | | | |
|---------|-----------|--|--|--|--|--|
| FIRST | SECOND | | | | | |
| 3 | 0 | | | | | |
| (1 ~ 8) | (0 ~ 8) | | | | | |

| | | E | NV | (PITCI | H) | | | | |
|---------|-----|----|----|--------|----|---|---|---|---------|
| STEP | 1 | E. | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 50 | | | | | | | | (0 - 99 |
| LEVEL | 00 | | | | | | | | (0~99 |
| NIE/END | CND | - | | | | | | | - |

2

DCO 2

| WAVE | WAVE FORM | | | | |
|-------|-----------|--|--|--|--|
| FIRST | SECOND | | | | |
| 5 | 0 | | | | |
| (1-8) | (0-8) | | | | |

| | | E | NV | (PITCI | H) | | | | |
|---------|----|-----|----|--------|----|---|---|---|--------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 99 | 68 | | | | | | | (0 ~ 9 |
| LEVEL | 60 | 00 | | | | | | | (0~9 |
| SUS/END | | END | | | | | | | - |

DCW 1

| KEY FOLLOW | |
|------------|---------|
| 0 | (0 ~ 9) |

| | | E | NV | (WAV | E) | | | | |
|---------|----|----|----|------|-----|-----|---|---|-------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 63 | 27 | 18 | 49 | 77 | 43 | | | (0~99 |
| revėr | 81 | 65 | 50 | 64 | 50 | 00 | | | (0~99 |
| SUS/END | | | | | SUS | END | | | |

DCW 2

| KEY FOLLOW | |
|------------|------|
| 2 | (0-9 |

| | | E | NV | (WAVE | () | | | | |
|---------|----|----|-----|-------|----|---|---|---|------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 76 | 55 | 33 | 39 | | | | | (0 ~ |
| LEVEL | 99 | 96 | 57 | 00 | | | | | (0~ |
| SUS/END | | | SUS | END | | | | | |

DCA 1

| KEY FOLLOW | |
|------------|---------|
| 0 | (0 - 9) |

| | | E | NV | (AMF |) | | | |
|---------|------|-----|----|------|---|-------|---|---------|
| STEP | 1 | 2 | 3 | 4 | 6 | 7 | | |
| RATE | 83 | 36 | | | | | | (0 - 99 |
| LEVEL | 99 | 00 | | | | | | (0-99) |
| SHS/END | 2112 | END | | | | | - | - |

DCA 2

| KEY FOLLOW | |
|------------|------|
| 2 | (0~9 |

| | | - | IN V | (AMP) | | | | | |
|---------|----|-----|------|-------|---|---|---|---|------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 71 | 32 | 50 | 32 | | | | | (0 - |
| LEVEL | 99 | 91 | 59 | 00 | | | | | (0- |
| SUS/END | | SUS | | END | | | | | |

COMMENT Bright sound.

TONE NAME CARTRIDGE NO. TONE NO. SYNTH. BRASS 3

PARAMETER

| | MODULATION | | | | | |
|-----------------|------------|-------|--|--|--|--|
| LINE SELECT | RING | NOISE | | | | |
| 1+1' | OFF | OFF | | | | |
| (1,2,1+2',1+1') | (ON/ | OFF) | | | | |

| | DE | TUNE | |
|------|---------|--------|----------|
| +1- | OCTAVE | NOTE | FINE |
| + | 0 | 00 | 07 |
| +1-) | (0 - 3) | (0~11) | (0 ~ 60) |

| | VIBR | 00 | CTAVE | | |
|---------|----------|--------|--------|-------|---------|
| WAVE | DELAY | RATE | DEPTH | +/- | RANGE |
| 1 | 00 | 50 | 00 | _ | 1 |
| (1 ~ 4) | (0 ~ 99) | (0~99) | (0~99) | (+/-) | (0 ~ 1) |

DCO 1

| WAVE | FORM |
|-------|--------|
| FIRST | SECOND |
| 3 | 0 |
| (1-8) | (0-8) |

| | - | - 2 | NV | (PITC | H) | | | |] |
|---------|----|-----|----|-------|----|---|----|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | .7 | 8 | |
| RATE | 99 | 68 | | | | | | | (0 - 99) |
| LEVEL | 33 | 00 | | | | | | | 10. 000 |
| SUS/END | | END | | | | | | | (0~99) |

2

DCO 2

| WAVE | FORM |
|---------|---------|
| FIRST | SECOND |
| | |
| (1 - 8) | (0 ~ 8) |

| | | | E | NV | (PITCI | H) | | | | |
|----|--------|---|---|----|--------|----|---|---|---|----------|
| 5 | STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| F | RATE | | | | | | | | | (0 - 99 |
| L | EVEL | | | | | | | | | (0 ~ 99) |
| SU | IS/END | | | | | | | | | |

DCW 1

| KEY FOLLOW | |
|------------|-------|
| 3 | (0~9) |

| | | | NV | (WAVE |) | | | |
|---------|----|----|-----|-------|---|---|---|-------|
| STEP | 1 | 2 | 3 | 4 | 5 | 7 | 8 | |
| RATE | 66 | 47 | 47 | 58 | | | | (0~99 |
| LEVEL | 78 | 88 | 24 | 00 | | | | (0~99 |
| SUS/END | | | SUS | END | | | | |

DCW 2

| KEY | FOLLOW | |
|-----|--------|-------|
| | | (0-9) |

| | | E | NV | (WAV | E) | | - | | |
|---------|---|---|----|------|----|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | | | | | | | | | (0 - 99) |
| LEVEL | | | | | | | | | (0 - 99) |
| SUS/END | | | | | | | | | |

DCA 1

| KEY FOLLOW | |
|------------|-------|
| 9 | (0-9) |

| | | | ENV | (AMP) | | | | | |
|---------|----|-----|-----|-------|---|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | В | |
| HATE | 82 | 36 | 79 | 34 | | | | | (0 ~ 99) |
| LEVEL | 99 | 91 | 59 | 00 | | | | | (0~99) |
| SUS/END | | SUS | | END | | | | | |

DCA 2

| KEY FOLLOW | |
|------------|-------|
| | (0-9) |

| | | | ENV | (AMF |) | | | | |
|---------|---|---|-----|------|---|---|---|---|-------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | | | | | | | | | (0~99 |
| LEVEL | | | | | | | | | (0~99 |
| SUS/END | | | | | | | | | |

COMMENT Subdued sound.

TONE NAME CARTRIDGE NO. TONE NO. SYNTH. BRASS 4

PARAMETER

| | MODULATION | | | | |
|-----------------|------------|-------|--|--|--|
| LINE SELECT | RING | NOISE | | | |
| 1+1' | OFF | OFF | | | |
| (1,2,1+2',1+1') | (ON/ | OFF) | | | |

| | DE | TUNE | |
|------|--------|--------|--------|
| +1- | OCTAVE | NOTE | FINE |
| + | 0 | 00 | 07 |
| +/-) | (0-3) | (0~11) | (0-60) |

| | VIBR | ATO | | 00 | CTAVE |
|-------|----------|--------|----------|-------|-------|
| WAVE | DELAY | RATE | DEPTH | +/- | RANGE |
| 1 | 00 | 50 | 00 | + | 0 |
| (1~4) | (0 - 99) | (0-99) | (0 ~ 99) | (+/-) | (0-1) |

1

DCO 1

| WAVE FORM | | | | | | |
|-----------|---------|--|--|--|--|--|
| FIRST | SECOND | | | | | |
| 3 | 0 | | | | | |
| (1~8) | (0 - 8) | | | | | |

| | E N V (PITCH) | | | | | | | | |
|---------|---------------|-----|---|---|---|---|---|---|--------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 99 | 68 | | | | | | | (0-99) |
| LEVEL | 33 | 00 | | | | | | | 10.00 |
| SUS/END | | END | | | | | | | (0~99) |

2

DCO 2

| WAVE | FORM |
|-------|--------|
| FIRST | SECOND |
| | |
| | 1 |

| (1 - 8) | (0 - 8) |
|---------|---------|

| | | E | III V | (PITC | H) | | | |
|---------|---|---|-------|-------|----|---|---|---|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| RATE | | | | | | | | |
| LEVEL | | | | | | | | |
| SUS/END | | | | | | | | _ |

DCW 1

| KEY FOLLOW | |
|------------|---------|
| 0 | (0 - 9) |

| | | E | NV | (WAVE | :) | | | | 7 |
|---------|----|----|-----|-------|----|---|-----|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | -7. | 8 | |
| RATE | 71 | 47 | 37 | 58 | | | | | (0 - 99) |
| LEVEL | 99 | 96 | 52 | 00 | | | | | (0-99) |
| SUS/END | | | SUS | END | | | | | |

DCW 2

| KEY | FOLLOW | |
|-----|--------|---------|
| | | (0 - 9) |

| E N V (WAVE) | | | | | | | | | |
|--------------|---|---|---|---|---|---|---|---|---------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | | | | | | | | | (0 - 99 |
| LEVEL | | | | | | | | | (0 ~ 99 |
| SUS/END | | | | | | - | | | |

DCA 1

| KEY FOLLOW | |
|------------|---------|
| 9 | (0 ~ 9) |

| E N V (AMP) | | | | | | | 7 | | |
|-------------|----|-----|----|-----|---|---|---|---|--------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 82 | 36 | 65 | 55 | | | | | (0~99 |
| LEVEL | 99 | 91 | 59 | 00 | | | | | (0~99) |
| SUS/END | | SUS | | END | | | | - | |

DCA 2

| EY FOLLOW | |
|-----------|------|
| | (0~9 |

| | | | ENV | (AMP |) | | | |
|---------|---|---|-----|------|---|---|---|---|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| RATE | | | | | | | | |
| LEVEL | | | | | | | | |
| SUS/END | | | | | | | | |

COMMENT

Strong attack.

TONE NAME CARTRIDGE NO. TONE NO. SYNTH. BRASS 5 PARAMETER MODULATION DETUNE **VIBRATO** OCTAVE +/- OCTAVE LINE SELECT RING NOISE NOTE FINE WAVE DELAY RATE DEPTH +/- RANGE 1+1' ON **OFF** 0 00 05 + 1 00 50 00 1 (1,2,1+2',1+1') (ON/OFF) (+1-) (0 - 3)(0 - 11)(0 - 60)(1 - 4)(0 - 99)(0 - 99)(0 - 99)(+/-) $(0 \sim 1)$ DCO₁ DCO₂ WAVE FORM WAVE FORM SECOND FIRST FIRST SECOND 5 0 (1 - 8)(0 - 8)(1 - 8)(0 - 8)E N V (PITCH) E N V (PITCH) STEP 3 4 5 8 STEP 3 4 В 8 RATE 73 68 RATE (0 - 99)(0 - 99)LEVEL 33 00 $\{0 - 99\}$ LEVEL $(0 \sim 99)$ SUS/END END SUS/END DCW 1 DCW 2 KEY FOLLOW KEY FOLLOW (0 - 9) $(0 \sim 9)$ E N V (WAVE) E N V (WAVE) STEP 2 3 4 5 6 B STEP 3 6 8 RATE 75 37 26 46 (0 - 99)RATE $(0 \sim 99)$ LEVEL 98 72 73 00 (0 - 99)LEVEL $(0 \sim 99)$ SUS/END SUS END SUS/END DCA 1 DCA 2 KEY FOLLOW KEY FOLLOW 9 (0 - 9)(0 - 9)E N V (AMP) E N V (AMP) STEP 2 4 6 8 STEP 3 5 1 2 3 4 5 7 8 RATE 82 87 80 55 RATE (0 - 99)(0 - 99)LEVEL 99 98 79 00 (0 - 99)LEVEL. (0 - 99)

COMMENT WAH added by RING MODULATION and slight DETUNE.

SUS/END

SUS

END

SUS/END

| TONE NAME | CARTRIDGE NO. | TONE NO. |
|-------------------|---------------|----------|
| STRING ENSEMBLE 3 | | |

| | MODULATION | | | |
|-----------------|------------|-------|--|--|
| LINE SELECT | RING | NOISE | | |
| 1+1' | OFF | OFF | | |
| (1,2,1+2',1+1') | (ON/ | OFF) | | |

| | DE | TUNE | |
|------|--------|--------|----------|
| +1- | OCTAVE | NOTE | FINE |
| + | 0 | 00 | 07 |
| +1-1 | (0~3) | (0-11) | (0 - 60) |

| | VIBE | OCTAVE | | | |
|-------|--------|----------|--------|-------|---------|
| WAVE | DELAY | RATE | DEPTH | +/- | RANGE |
| 1 | 11 | 51 | 18 | + | 0 |
| (1-4) | (0-99) | (0 ~ 99) | (0~99) | (+1-) | (0 - 1) |

1

DCO 1

| WAVE | WAVE FORM | | | | | |
|---------|-----------|--|--|--|--|--|
| FIRST | SECOND | | | | | |
| 1 | 0 | | | | | |
| (1 ~ 8) | (0 - 8) | | | | | |

| | | | NV | (PITCI | H) | | | | 7 |
|---------|-----|---|----|--------|----|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 50 | | | | | | | | (0 ~ 99) |
| LEVEL | 00 | | | | | | | | 10 000 |
| SUS/END | END | | | | | | | | (0 - 99) |

2

DCO 2

| AAWAE | FORM |
|-------|--------|
| FIRST | SECOND |
| | |
| | |
| | |

| | _ | | _ |
|---------|---|-----|----|
| (1 - 8) | | (0- | 81 |

| | | | NV | (PITCI | H) | - | | | |
|---------|---|---|----|--------|----|---|---|---|-------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | | | | | | | | | (0-99 |
| LEVEL | | | | | | | | | (0~99 |
| SUS/END | | | | | | | | | |

DCW 1

| KEY FOLLOW | |
|------------|------|
| 2 | (0~9 |

| | E N V (WAVE) | | | | | | | 7 | |
|---------|--------------|-----|---|---|---|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 99 | 40 | | | | | | | (0 ~ 99) |
| LEVEL | 99 | 00 | | | | | | | (0 - 99) |
| SUS/END | SUS | END | | | | | | | |

DCW 2

| KEY | FOLLOW | |
|-----|--------|---------|
| | | (0 ~ 9) |

| | | E | NV | (WAVI | <u>~</u>) | | - | | |
|---------|---|---|----|-------|------------|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| PATE | | | | | | | | | (0-99 |
| LEVEL | | | | | | | | | (0 ~ 99) |
| SUS/END | | | | | | | | | |

DCA 1

| KEY FOLLOW | |
|------------|-------|
| 2 | (0~9) |

| | | Е | N V | (AMF |) | | | | |
|---------|-----|-----|-----|------|---|---|---|---|-------|
| STEP | 1 | 2 | 3 | 4 | | 6 | 7 | В | |
| RATE | 72 | 38 | | | | | | | (0-99 |
| LEVEL | 99 | 00 | | | | | | | (0-99 |
| SUS/END | SUS | END | | | | - | | | |

DCA 2

| | FOLLOW | KEY |
|------|--------|-----|
| (0-9 | | |
| | | |

| | | | ENV | (AMP |) | | | |
|---------|---|---|-----|------|---|---|---|---|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| RATE | | | | | | | | |
| LEVEL | П | | | | | | | |
| SUS/END | | | | | | | | |

COMMENT

Bright string ensemble.

| | | | | | | | | TON | IE NAN | 1E | | | CA | RTRI | DGE | NO. | 7 | ONE | NO. |
|--------------|-------|-----------|--------|-------|-----|-------|-------|------|----------|-----------|---------|--------|------------|-------|-----|------|---|---------|----------|
| PARA | ME | TEF | 3 | | ST | RII | NG | E | NSI | EMBL | E | 4 | | | | | | | |
| LINE SELEC | NT F | | ULATI | |] [| | DOTAL | DETU | | Cu. | | - 1 - | | RATO | | | | - | TAVE |
| 1+1 | | OFF | |)FF | | +/- (| OCTAN | | 00 | 12 | WAVI | ED | ELAY 11 | | TE | DEPT | | +/- | RANGI |
| {1,2,1+2',1+ | | | N/OFF) | | (| +/-) | (0~3) | - | | 0-60) | (1 - 4) |) (| 0 ~ 99) | (0- | 99) | (0-9 | | + (+/-) | (0-1) |
| 1 DCO | 1 | | | | | | | | | 2 DCC | 2 |] | _ | | | | | | |
| WAV FIRST | E FOR | M COND | | | | | | | | FIRST | E FOR | M | | | | | | | |
| (1 - 8) | ((| 0 – 8) | | | | | | | _ | {1-8} | (0 | (8 - 1 | | | | | | | |
| STEP | 1 | 2 | N V | (PITC | H) | 6 | 7 | 8 | | STEP | 1 1 | 2 | N V | (PITC | H) | 6 | 7 | В | |
| RATE | 50 | | | | | | | | (0~99) | RATE | | | | | - | | | | (0 ~ 99) |
| LEVEL | 00 | | | | | | | | | LEVEL | | | | | | | | | (0 - 99 |
| SUS/END | END | | | | | | | | (0~99) | SUS/END | | | | | | | | | |
| DCW | 1 | | | | | | | | | DCW | 2 | | | | | | | | |
| KEY FOLLO |)W | | | | | | | | | KEY FOLL | DW] | | | | | | | | |
| 7 | (0 | ~9) | | | | | | | | | (0 | -9} | | | | | | | |
| | | E | NV | (WAV | E) | | | | 1 | | | F | NV | (Wav | F) | | | | 1 |
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | В | | STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 99 | 40 | | | | | | | (0~99) | RATE | | | | | | | | | (0 - 99) |
| LEVEL | 95 | 00 | | | | | | | (0 ~ 99) | LEVEL | | | | | | | | | (0~99) |
| SUS/END | SUS | END | | | | | | | | SUS/END | | | | | | | | | |
| DCA | 1 | | | | | | | | | DCA | 2 | | | | | | | | |
| KEY FOLLO | | ~9) | | | | | | | | KEY FOLLO | | -9) | | | | | | | |
| | | | E N V | |) | | | | | | | | E N V | (AMP |) | | | | |
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 60 | 30 | 31 | | | | | | (0 ~ 99) | RATE | | | | | | | | | (0~99) |

COMMENT Similar to a string quartet.

00

SUS END

LEVEL

SUS/END

99 93

(0-99)

LEVEL

SUS/END

OFF

PARAMETER

LINE SELECT

1 + 1'

(1,2,1+2',1+1')

DCO₁

FIRST

1

(1 - 8)

STEP

RATE

LEVEL

SUS/END END

DCW 1

KEY FOLLOW

0

STEP

RATE

LEVEL

SUS/END

DCA 1

KEY FOLLOW

0

STEP

RATE

LEVEL

WAVE FORM

SECOND

4

(0 - 8)

50

00

 $(0 \sim 9)$

83

96

(0 - 9)

2

00

1

93 39

87

SUS/END SUS END

99

99

TONE NAME CARTRIDGE NO. TONE NO. SYNTH. STRINGS 2 MODULATION DETUNE **VIBRATO OCTAVE** RING NOISE +/- OCTAVE NOTE FINE WAVE DELAY RATE DEPTH +/- RANGE 1 OFF + 0 00 10 07 53 18 1 (ON/OFF) (+/-) $\{0-3\}$ $(0 \sim 11)$ (0 - 60) $(1 \sim 4)$ (0 - 99)(0 - 99)(0 - 99)(+1-) (0 - 1)DCO₂ WAVE FORM FIRST SECOND (1 - 8)(0 - 8)E N V (PITCH) E N V (PITCH) 4 5 STEP 3 6 7 8 2 3 4 5 6 7 B (0 - 99)RATE $(0 \sim 98)$ LEVEL (0 - 99) $\{0 - 99\}$ SUS/END DCW 2 KEY FOLLOW (0 - 9)E N V (WAVE) E III V (WAVE) 3 4 6 8 STEP 4 3 6 7 8 37 41 $\{0 - 99\}$ RATE (0 - 99)83 00 (0 - 99)LEVEL (0 - 99)SUS END SUS/END DCA 2 KEY FOLLOW (0 - 9)E N V (AMP) E N V (AMP) 4 6 8 STEP 2 3 4 5 6 8 $(0 \sim 99)$ RATE (0 - 99)

COMMENT Synthesized string sound often used in modern music.

 $(0 \sim 99)$

LEVEL

SUS/END

| | TONE NAM | IE | CARTRIDGE NO. | TONE NO. |
|----------------------------|-----------------------------|------------------------|------------------------|----------|
| PARAMETER | SOFT OR | GAN | | |
| MODULATION | DETUNE | | VIBRATO | OCTAVE |
| 1+2' OFF OFF | +/- OCTAVE NOTE + 3 00 | | 00 50 00 | |
| (1,2,1+2',1+1') (ON/OFF) | | | 0~99) (0~99) (0- | |
| 1 | | 2 | | |
| | | | | |
| DCO 1 | | DCO 2 | | |
| FIRST SECOND | | WAVE FORM FIRST SECOND | | |
| 2 0 | | 2 0 | | |
| (1-8) (0-8) | | (1-8) (0~8) | | |
| E N V (PITCH) STEP 1 2 3 4 | 5 6 7 8 | STEP 1 2 | ■ V (PITCH) 3 4 5 6 | 7 8 |
| RATE 50 | (0 ~ 99) | RATE 50 | 3 4 3 6 | (0-99) |
| LEVEL 00 | (0~99) | LEVEL 00 | | (0 - 99) |
| SUS/END END | | SUS/END END | | 1 |
| DCW 1 | | DCW 2 | | |
| KEY FOLLOW | | KEY FOLLOW | | |
| 8 (0~9) | | 4 (0-9) | | |
| | | | | |
| E ■ V (WAVE) STEP 1 2 3 4 | 5 6 7 8 | STEP 1 2 | N V (WAVE) 3 4 5 6 | 7 8 |
| RATE 99 00 | (0-99) | RATE 99 00 | | (0 ~ 99) |
| LEVEL 67 00 | (0 - 99) | LEVEL 67 00 | | (0 ~ 99) |
| SUS/END SUS END | | SUS/END SUS END | | |
| DCA 1 | | DCA 2 | | |
| KEY FOLLOW | | KEY FOLLOW | | |
| 0 (0-9) | | 0 (0-9) | | |
| | | | | |
| STEP 1 2 3 4 | 5 6 7 8 | STEP 1 2 | E M V (AMP) | 7 8 |
| RATE 83 59 | (0 - 99) | RATE 84 59 | | (0 ~ 99) |
| LEVEL 99 00 | (0~99) | LEVEL 56 00 | | (0 - 99) |

Simple, soft reverberated organ composed of harmonics. COMMENT

SUS/END SUS END

SUS/END SUS END

TONE NAME CARTRIDGE NO. TONE NO. **ELECTRIC ORGAN 1**

PARAMETER

| | MODUL | ATION |
|----------------|-------|-------|
| LINE SELECT | RING | NOISE |
| 1+2' | OFF | OFF |
| (1.2.1-2'.1+1% | (ÓN/ | DEE) |

| DETUNE | | | | | | |
|-----------|---------|----------|----------|--|--|--|
| +1- | OCTAVE | NOTE | FINE | | | |
| + | 2 | 00 | 00 | | | |
| t + l - 1 | (0 - 3) | (0 - 11) | (0 ~ 60) | | | |

| | VIBR | Ö | CTAVE | | |
|---------|---------------|--------|--------|-------|---------|
| WAVE | DELAY | RATE | DEPTH | +/- | RANGE |
| 1 | 00 | 61 | 26 | + | 0 |
| (1 ~ 4) | $(0 \sim 99)$ | (0~99) | (0-99) | (+/-) | (0 ~ 1) |

DCO 1

| WAVE FORM | | | | | | |
|-----------|---------|--|--|--|--|--|
| FIRST | SECOND | | | | | |
| | 4 | | | | | |
| (1~8) | (6 ~ 0) | | | | | |

| ■ N V (PITCH) | | | | | | | | | |
|---------------|----|-----|---|---|---|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 99 | 99 | | | | | | | (0 - 99) |
| LEVEL | 57 | 00 | | | | | | | (0 ~ 99) |
| SUS/END | | END | | | | | | | (0 - 53) |

2

DCO₂

| WAVE | FORM |
|---------|---------|
| FIRST | SECOND |
| 3 | 4 |
| /1 ~ 80 | (0 - 8) |

| | | E | ΝV | (PITCI | H) | | | | 1 |
|---------|----|-----|----|--------|----|---|---|---|---------|
| STEP | -1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |] |
| RATE | 99 | 99 | | | | | | | (0 - 99 |
| LEVEL | 57 | 00 | | | | | | | (0 - 99 |
| SUS/END | | END | | | | | | | 1 |

DCW 1

| KEY FOLLOW | |
|------------|---------|
| 9 | 10 - 9) |

| | | | N V | (WAVE | Ξ) | | | |] |
|---------|----|----|-----|-------|----|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | В | |
| RATE | 99 | 73 | 00 | 50 | | | | | (0-99) |
| LEVEL | 53 | 00 | 23 | 00 | | | | | (0 - 99) |
| SUS/END | | | SUS | END | | | | | |

DCW 2

| KEY | FOLLOW | |
|-----|--------|---------|
| | 9 | (0 - 9) |

| | | | | NV | (WAV | Ε) | | | | 7 |
|---|---------|----|----|-----|------|----|----|---|---|----------|
| | STEP | 1 | 2 | 3 | 4 | 5 | -6 | 7 | 8 | |
| | RATE | 99 | 73 | 00 | 50 | | | | | (0 - 99) |
| | LEVEL | 53 | 00 | 23 | 00 | | | | | (0~99) |
| ľ | SUS/END | | | SUS | END | | - | | | 1 |

DCA 1

| KEY FOLLOW | |
|------------|---------|
| 9 | (0 - 9) |

| | | | E N V | (AMP |) | | | | |
|---------|-----|-----|-------|------|---|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 99 | 99 | | | | | | | (0 ~ 99) |
| LEVEL | 99 | 00 | | | | | | | (0-99) |
| SUS/END | SUS | END | | | | | | | |

DCA 2

| KEY FOLLOW | |
|------------|---------|
| 9 | (0 ~ 9) |

| | | | ENV | (AMP |) | | | | |
|---------|-----|-----|-----|------|---|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 1 |
| RATE | 99 | 99 | | | | | | | (0~99) |
| LEVEL | 84 | 00 | | | | | | | (0 ~ 99) |
| SUS/END | SUS | END | | | | | | | |

COMMENT

Electric organ with "click" added using pitch envelope.

| TONE NAME | CARTRIDGE NO. | TONE NO. |
|-------------------------|---------------|----------|
| ELECTRIC ORGAN 2 | | |

| | MODULATION | | | | | |
|--------------------|------------|-------|--|--|--|--|
| LINE SELECT | RING | NOISE | | | | |
| 1+2' | OFF | OFF | | | | |
| (1.0 1 ± 9) + ± 10 | (ON/OFF) | | | | | |

| N_ | | DETUNE | | | | | | | |
|----|--------|---------|----------|--|--|--|--|--|--|
| SE | +1- | OCTAVE | NOTE | | | | | | |
| F | + | 0 | 00 | | | | | | |
| | (+1+1) | (0 - 3) | (0 = 13) | | | | | | |

DETUNE

(0 - 11)

| _ | |
|---|------|
| | |
| | WAV |
| | 1 |
| | 71-4 |

| | VIBE | 0 | CTAVE | | |
|---------|----------|------|-------|-----|-------|
| WAVE | DELAY | RATE | DEPTH | +/- | RANGE |
| _1 | 00 | 50 | 00 | + | 0 |
| (1 - 4) | (0 - 99) | | | | |

DCO 1

| WAVE FORM | | | | | | |
|-----------|---------|--|--|--|--|--|
| FIRST | SECOND | | | | | |
| 3 | 4 | | | | | |
| (1 - 8) | (0 - 8) | | | | | |

| É N V (PITCH) | | | | | | | | | 7 |
|---------------|----|-----|---|---|---|---|---|---|--------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 99 | 99 | | | | | | | (0 ~ 9 |
| LEVEL | 66 | 00 | | | | | | | (0~9 |
| SUS/END | | END | | | | | | | |

2

FINE

08

(0-60)

DCO 2

| WAVE FORM | | | | | | |
|-----------|---------|--|--|--|--|--|
| FIRST | SECOND | | | | | |
| 3 | 4 | | | | | |
| (1 ~ 8) | (0 ~ 8) | | | | | |

| | | E | N V | (PITC | H) | | | | |
|---------|----|-----|-----|-------|----|----|---|---|-----|
| STEP | 1 | 2 | 3 | 4 | 5 | -6 | 7 | 8 | |
| RATE | 99 | 99 | | | | | | | (0- |
| LEVEL | 57 | 00 | | | | | | | {0- |
| SUS/END | | END | | | _ | | | | |

DCW 1

| KEY FOLLOW | |
|------------|---------|
| 9 | (0 ~ 9) |

| | | E | N V | (WAVE | =) | | | |] |
|---------|----|----|-----|-------|----|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 6 | |
| RATE | 12 | 70 | 00 | 50 | | | | | (0~99) |
| LEVEL | 19 | 00 | 23 | 00 | | | | | (0 ~ 99) |
| SUS/END | | | SUS | END | | | | | |

DCW 2

| KEY FOLLOW | |
|------------|--------|
| 9 | (0 ~ 9 |

| ■ N V (WAVE) | | | | | | | | | |
|--------------|----|----|-----|-----|---|---|---|----|----------|
| STEP | 1 | | 3 | 4 | 5 | 6 | 7 | _8 | |
| RATE | 99 | 73 | 00 | 50 | | | | | (0 - 99) |
| LEVEL | 53 | 00 | 23 | 00 | | | | | (0 - 99) |
| SUS/END | | | SUS | END | | | | | 1 |

DCA 1

| KEY FOLLOW | |
|------------|---------|
| 9 | (0 - 9) |

| | | | E N V | (AMP |) | | | | |
|---------|-----|-----|-------|------|---|---|---|----|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | -8 | 1 |
| RATE | 99 | 65 | | | | | | | (0 - 99) |
| LEVEL | 99 | 00 | | | | | | | (0 99) |
| SUS/END | SUS | END | | | | | | | |

DCA 2

| KEY FOLLOW | |
|------------|------|
| 9 | (0~9 |

| | _ | E | E N V | (AMP |) | | | | |
|---------|-----|-----|-------|------|---|---|---|---|--------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 99 | 65 | | | | | | | (0~99) |
| LEVEL | 99 | 00 | | | | | | | (0~99) |
| SUS/END | SUS | END | | | | | | | |

COMMENT

Electric organ with attack effect using pitch envelope.

PIPE ORGAN CARTRIDGE NO. TONE NO.

PARAMETER

| | MÖDUI | ATION |
|-------------|-------|-------|
| LINE SELECT | RING | NOISE |
| 1+2' | OFF | OFF |
| (121+21+1) | (ON/ | OFF) |

| DETUNE | | | | | | | | |
|-------------------|---------|----------|----------|--|--|--|--|--|
| +/- | OCTAVE | NOTE | FINE | | | | | |
| + | 2 | 00 | 00 | | | | | |
| $t + t - \lambda$ | (0 - 3) | (0 - 11) | 10 - 60) | | | | | |

| - | | VIBR | 00 | CTAVE | | |
|---|---------|----------|------|----------|-----|---------|
| - | WAVE | DELAY | RATE | DEPTH | +/- | RANGE |
| - | 1 | 01 | 10 | 04 | | 1 |
| | (1 – 4) | (0 - 99) | | (0 - 99) | | (0 ~ 1) |

1

DCO 1

| WAVE | FORM |
|---------|---------|
| FIRST | SECOND |
| 1 | 2 |
| (1 ~ 8) | (0 ~ 6) |

| | | E | NV | (PITCI | 4) | | | | |
|---------|-----|---|----|--------|----|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 50 | | | | | | | | (0 - 99) |
| LEVEL | 00 | | | | | | | | (0 - 99) |
| SUS/END | END | | | | | | | | (0 - 03) |

2

DCO 2

| WAVE FORM | | | | | | |
|-----------|---------|--|--|--|--|--|
| FIRST | SECOND | | | | | |
| 2 | 8 | | | | | |
| 14 - D) | f0 - R1 | | | | | |

| | | E | NV | (PITC | H) | | | |] |
|---------|-----|---|----|-------|----|---|---|---|------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 50 | | | | | | | | (0 - |
| LEVEL | 00 | | | | | | | | (0- |
| SUS/END | END | | | | | | | | i |

DCW 1

| KEY FOLLOW | |
|------------|-------|
| 5 | (0-9) |

| | | E | ΝV | (WAVI | E) | | | |] |
|---------|-----|-----|----|-------|----|---|---|---|----------|
| STEP | 1 | | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 99 | 50 | | | | | | | (0 ~ 99) |
| LEVEL | 78 | 00 | | | | | | | (0 ~ 99) |
| SUS/END | SUS | END | | - | | | | | |

DCW 2

| KEY FOLLOW | |
|------------|---------|
| 5 | (0 - 9) |

| | | pa. | - NI - NI | (WAV | -\ | | | | 1 |
|---------|-----|-----|-----------|------|----|---|---|---|----------|
| | | | | WAV | E/ | , | | | |
| STEP | 1 | 2 | 3 | 4 | 5_ | 6 | 7 | В | |
| RATE | 99 | 00 | | | | | | | (0 99) |
| LEVEL | 25 | 00 | | | | | | | (0 ~ 99) |
| SUS/END | SUS | END | | | | | | | |

DCA 1

| KEY FOLLOW | |
|------------|-------|
| 0 | (0~9) |

| ■ N V (AMP) | | | | | | | | | |
|-------------|-----|----|-----|---|---|---|---|----|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | -8 | |
| RATE | 75 | 45 | 25 | | | | | | (0-99) |
| LEVEL | 99 | 75 | 00 | | | | | | (0 ~ 99) |
| SUS/END | SUS | | END | | | | | | 1 |

DCA 2

| KEY FOLLOW | |
|------------|---------|
| 0 | (0 ~ 9) |

| | | | E II V | (AMP |) | | | | 1 |
|---------|-----|----|--------|------|---|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |] |
| RATE | 75 | 59 | 34 | | | | | | (0~99) |
| LEVEL | 99 | 75 | 00 | | | | | | (0 ~ 99) |
| SUS/END | SUS | | END | | | | | | 1 |

COMMENT Bright pipe organ with beautiful reverberation.

TONE NAME CARTRIDGE NO. TONE NO. SYNTH. ORGAN **PARAMETER** MODULATION DETUNE VIBRATO OCTAVE NOISE RING +/- OCTAVE NOTE FINE WAVE DELAY RATE DEPTH +/- RANGE OFF OFF 0 00 07 50 1 00 00 ++0 (ON/OFF) (+I-) (0-3)(0 - 11)(0 - 60)(1 - 4)(0 - 99)(0 - 99)(0 - 99)(+/-) (0 - 1)

LINE SELECT

1 + 1'

(1,2,1+2',1+1')

DCO 1

| WAVE FORM | | | | | | | |
|-----------|---------|--|--|--|--|--|--|
| FIRST | SECOND | | | | | | |
| 2 | 8 | | | | | | |
| (1 ~ 8) | (0 ~ B) | | | | | | |

| | | E | NV | (PITCI | Η) | | | |] |
|---------|----|-----|----|--------|----|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| HATE | 99 | 95 | | | | | | | (0 - 99) |
| LEVEL | 73 | 00 | | | | | | | {O ~ 99} |
| SUS/END | | END | | | | | | | (0-50) |



DCW 1

KEY FOLLOW (0 - 9)0

| E N V (WAVE) | | | | | | | | | |
|--------------|----|----|----|----|----|----|-----|-----|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 99 | 99 | 10 | 10 | 10 | 10 | 10 | 01 | (0 ~ 99) |
| LEVEL | 90 | 20 | 15 | 20 | 15 | 20 | 15 | 00 | (0 - 99) |
| SUS/END | | | | | | | SUS | END | |

DCA 1

KEY FOLLOW (0 - 9)

| | | | E N V | (AMP |) | - | | | 1 |
|---------|----|-----|-------|------|-----|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 99 | 65 | 70 | 30 | 65 | | | | (0 - 99) |
| LEVEL | 99 | 90 | 65 | 00 | 00 | | | | (0-99) |
| SUS/END | | SUS | | | END | | | | |

2

DCO₂

| WAVE FORM | | | | | | |
|-----------|---------|--|--|--|--|--|
| FIRST | SECOND | | | | | |
| | | | | | | |
| | | | | | | |
| (1 ~ 8) | (0 ~ 8) | | | | | |

| | | E | N V | (PITCI | 4) | | | | 7 |
|---------|---|---|-----|--------|----|---|---|---|----|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | | | | | | | | | ({ |
| LEVEL | | | | | | | | | {(|
| SUS/END | | | | | | | | | |

99)

99)

DCW 2

KEY FOLLOW $(0 \sim 9)$

| E N V (WAVE) | | | | | | | | | |
|--------------|---|---|---|---|---|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | | | | | | | | | (0 ~ 99) |
| LEVEL | | | | | | | | | (0 ~ 99) |
| SUS/END | | | | | | | | | |

DCA 2

KEY FOLLOW (0 - 9)

| ■ N V (AMP) | | | | | | | | | |
|-------------|---|---|---|---|---|---|---|--|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | | |
| RATE | | | | | | | | | (0 ~ 99) |
| LEVEL | | | | | | | | | (0 - 99) |
| CHICACNID | | | | | | | | | |

Pitch envelope used for distinctive click. Suitable for quick adlibs. COMMENT

LEVEL

SUS/END

99

80

02

00

SUS END

TONE NAME CARTRIDGE NO. TONE NO. **PIANO** PARAMETER MODULATION DETUNE **VIBRATO** OCTAVE LINE SELECT RING NOISE +/- OCTAVE NOTE FINE WAVE DELAY RATE DEPTH RANGE OFF 1 + 1'**OFF** + 0 00 01 1 00 50 +00 0 (1.2,1+2',1+1')(ON/OFF) (+1-)(0 - 3) $(0 \sim 11)$ $\{0 - 60\}$ $(1 \sim 4)$ (0 - 99)(0 - 99)(0 - 99)(+1-)(0 - 1)DCO₁ DCO₂ WAVE FORM WAVE FORM FIRST SECOND FIRST SECOND 5 3 (1 - 8)(0 - 8)(1 - 0)(0 - 8)E 🛮 V (PITCH) E W V (PITCH) STEP 2: 3 6 8 STEP 2 3 6 В RATE 50 $(0 \sim 99)$ RATE (0 - 99)LEVEL 00 (0 - 99)LEVEL (0 - 99)SUS/END END SUS/END DCW 1 DCW 2 KEY FOLLOW KEY FOLLOW 8 $(0 \sim 9)$ (0 - 9)N V (WAVE) E W V (WAVE) STEP 2 3 6 7 8 STEP 3 5 6 7 8 99 20 HATE 37 $\{0 \sim 99\}$ RATE $(0 \sim 99)$ **LEVEL** 70 44 00 (0 - 99)LEVEL (0 - 99)SUS/END SUS END SUS/END DCA 1 DCA 2 KEY FOLLOW KEY FOLLOW 3 (0 - 9)(0 - 9)E ■ V (AMP) E V (AMP) STEP 1 2 3 5 6 8 STEP 4 5 6 В RATE 90 30 25 50 RATE (0 - 99) $(0 \sim 99)$

COMMENT Subdued piano. When tone mix selected, the timbre is suited for solo performances.

(0 - 99)

LEVEL

SUS/END

| TONE | NAME CARTRIDGE NO. TONE NO. |
|---|---|
| PARAMETER | C PIANO 1 |
| MODULATION DETUNE | WAVE DELAY RATE DEPTH +/- RANGE |
| DCO 1 | DCO 2 |
| WAVE FORM FIRST SECOND 1 0 (1~8) (0~8) | WAVE FORM FIRST SECOND 1 0 |
| E ■ V (PITCH) STEP 1 2 3 4 5 6 7 8 | STEP 1 2 3 4 5 6 7 8 |
| | 0~99) RATE 50 (0~98 |
| LEVEL OO SUS/END END | 0-99) LEVEL 00 (0-96) SUS/END END |
| DCW 1 | DCW 2 |
| KEY FOLLOW | KEY FOLLOW |
| O (0 – 9) | 0 (0~9) |
| E N V (WAVE) | ■ N V (WAVE) |
| STEP 1 2 3 4 5 6 7 8 | STEP 1 2 3 4 5 6 7 8 |
| RATE 99 | 0-99) RATE 99 50 (0-99 |
| LEVEL 00 | 0~99) LEVEL 27 00 (0~96 |
| SUS/END END | SUS/END END |
| DCA 1 | DCA 2 |
| KEY FOLLOW | KEY FOLLOW |
| 1 (0 ~ 9) | 4 (0-9) |
| E N V (AMP) | ■ N V (AMP) |
| STEP 1 2 3 4 5 6 7 8 | STEP 1 2 3 4 5 6 7 8 |
| RATE 99 73 49 49 49 39 50 | 0~99) RATE 99 45 (0~98 |

COMMENT Echo effect using DCA 1 after envelope for fantasy sound.

67

43

84

LEVEL

SUS/END SUS

24 61

00

00

END

(0 - 99)

90 00

END

 $(0 \sim 99)$

LEVEL

SUS/END

FANTASTIC PIANO 2

PARAMETER

| | MODU | ATION |
|---------------------|------|-------|
| LINE SELECT | RING | NOISE |
| 1+2' | ON | OFF |
| 11.2.1 + 2'.1 + 1'3 | (ON/ | OFFI |

| DETUNE | | | | | | | | |
|--------|---------|----------|----------|--|--|--|--|--|
| +1- | OCTAVE | NOTE | FINE | | | | | |
| + | 3 | 00 | 00 | | | | | |
| (+/-) | (0 ~ 3) | (0 ~ 11) | (0 - 60) | | | | | |

| 1 | | VIBF | ATO | | | 00 | TAVE |
|---|-------|----------|----------|--------|------|-----|-------|
| ĺ | WAVE | DELAY | RATE | DEPTH | +1- | - [| RANGE |
| | 1 | 00 | 50 | 00 | + | | 0 |
| | (1-4) | (0 - 99) | (0 ~ 99) | (0~99) | (+/- | -) | (0-1) |

1

DCO 1

| WAVE FORM | | | | | | |
|-----------|--------|--|--|--|--|--|
| FIAST | SECOND | | | | | |
| 5 | 0 | | | | | |
| (1 - 8) | 10 B1 | | | | | |

| | | Ë | ■ V | (PITC) | -1) | | | |] |
|---------|-----|---|-----|--------|-----|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |] |
| RATE | 50 | | | | | | | | (0 - 99) |
| LEVEL | 00 | | | | | | | | {0 - 99} |
| SUS/END | END | | | | | | | | (0 - 00) |

2

| WAVE FORM | | | | | | |
|-----------|---------|--|--|--|--|--|
| FIRST | SECOND | | | | | |
| 4 | 0 | | | | | |
| (1 - 8) | (0 - 8) | | | | | |

DCO 2

| | | Е | N V | (PITC | H) | | | |] |
|---------|-----|---|-----|-------|----|---|---|---|---------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 50 | | | | | | | | (0 ~ 99 |
| LEVEL | 00 | | | | | | | | (0~99 |
| SUS/END | END | | | | | | | | 1 |

DCW 1

| KEY FOLLOW | V |
|------------|-------|
| 9 | (0-9) |

| E N V (WAVE) | | | | | | | | | |
|--------------|----|-----|---|----|---|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4: | 5 | 6 | 7 | 8 | |
| RATE | 99 | 12 | | | | | | | (0 ~ 99) |
| LEVEL | 14 | 00 | | | | | | | (0 - 99) |
| SUS/END | | END | | | | | | | |

DCW 2

| KEY FOLLOW | |
|------------|------|
| 9 | {0∼9 |

| 1 | | | E | N V | (WAVE | =) | | | | |
|---|---------|----|-----|-----|-------|----|---|---|---|----------|
| | STEP | 1 | 2 | 3 | 4 | -5 | 6 | 7 | 8 | |
| | RATE | 99 | 12 | | | | | | | (0 ~ 99) |
| ĺ | TEAET | 44 | 00 | | | | | | | (0 ~ 99) |
| | SUS/END | | END | | | | | | | |

DCA 1

| KEY FOLLOW | |
|------------|---------|
| 0 | (0 ~ 9) |

| | | - | E N V | (AMP |) | | | | |
|---------|----|-----|-------|------|---|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 98 | 30 | | | | | | | (0 99) |
| LEVEL | 99 | 00 | | | | | | | (0 – 99) |
| SUS/END | | END | | | | | | | |

DCA 2

| KEY FOLLOW | |
|------------|---------|
| 0 | (0 ~ 9) |

| E N V (AMP) | | | | | | | | | |
|-------------|----|-----|---|---|---|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 99 | 49 | | | | | | | (0 ~ 99) |
| LEVEL | 63 | 00 | | | | | | | (0 ~ 99) |
| SUS/END | | END | | | | | | | |

COMMENT

Vibraphone-like clear reverberation.

| TONE NAME | CARTRIDGE NO. | TONE NO. |
|---------------|---------------|----------|
| HARPSICHORD 1 | | |

| | MODULATION | | |
|--------------------|------------|-------|--|
| LINE SELECT | RING | NOISE | |
| 1+1' | OFF | OFF | |
| 64 O 4 - O/ 4 - 40 | 477.0.14 | 0.55 | |

| 1+1' | OFF OFF |
|--------------------|----------|
| 1.2.1 + 2'.1 + 1') | (ON/OFF) |

| DETUNE | | | | | | | |
|--------|--------|--------|---------|--|--|--|--|
| +I- | OCTAVE | NOTE | FINE | | | | |
| _ | 1 | 00 | 00 | | | | |
| (+/-) | m = 31 | /O 111 | /0 - em | | | | |

| | VIBE | ATO | |
|-------|----------|----------|----------|
| WAVE | DELAY | RATE | DEPTH |
| 1 | 00 | 50 | 00 |
| (1-4) | (0 ~ 99) | (0 - 99) | (0 - 99) |

| 0 | CTAVE |
|-------|---------|
| +/- | RANGE |
| + | 1 |
| (+1-) | (0 - 1) |

DCO 1

| WAVE FORM | | | | | | | | |
|-----------|---------|--|--|--|--|--|--|--|
| FIRST | SECOND | | | | | | | |
| 3 | 0 | | | | | | | |
| (1 ~ B) | (0 ~ 8) | | | | | | | |

| | | E | ■ V | (PITCI | 4) | | | |] |
|-------|----|---|-----|--------|----|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | В | |
| RATE | 50 | | | | | | | | (0-99) |
| FEAET | 00 | | | | | | | | (0 - 99) |

2

DCO 2

| WAVE | WAVE FORM | | | | | | |
|-------|-----------|--|--|--|--|--|--|
| FIRST | SECOND | | | | | | |
| | | | | | | | |
| | | | | | | | |
| (1-8) | (0~8) | | | | | | |

| | | E | N V | (PITC) | 4) | | | |
|-------|---|---|-----|--------|----|---|---|---|
| STEP | 1 | 2 | 3 | 4 | _5 | 6 | 7 | 8 |
| RATE | | | | | | | | |
| LEVEL | | | | | | | | |

DCW 1

KEY FOLLOW 2 (0 - 9)

| | | Е | N V | (WAVI | E) | | | 1 |
|---------|-----|-----|-----|-------|----|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 7 | 6 |] |
| RATE | 96 | 17 | | | | | | (0 99) |
| LEVEL | 96 | 00 | | | | | | (0 - 99) |
| SUS/END | SUS | END | | | | | | |

DCW 2

| | KEV | FOLLOW | 7 | | |
|---|------|--------|---|------|----|
| _ | NE r | POLLOW | J | | |
| | | | ı | | |
| | | | ı | 10 - | o. |
| | | | П | 10 | 0 |
| | | | | | |

| | | E | NV | (WAV | E) | | | | 7 |
|---------|---|---|----|------|----|---|---|---|------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 1 |
| RATE | | | | | | | | | (0 ~ |
| LEVEL | | | | | | | | | (0- |
| SUS/END | | | | | | | | - | 1 |

DCA 1

| K | Ϋ́ | FOLLOW | j | |
|---|----|--------|---|---------|
| | | 1 | | (0 - 9) |

| | | | E 🔳 V | ' (AMP |) | | | | |
|---------|----|-----|-------|--------|---|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 84 | 35 | 46 | | | | | | (0 – 99) |
| LEVEL | 99 | 00 | 00 | | | | | | (0-99) |
| SUS/END | | SUS | END | | | | _ | | |

DCA 2

| KEY | FOLLOW | |
|-----|--------|--------|
| | | (0 ~ 9 |

| E N V (AMP) | | | | | | | | | |
|-------------|---|---|---|---|---|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | | | | | | | | | (0 99) |
| LEVEL | | | | | | | | | (0 - 99) |
| SUS/END | | | | | | | | | |

COMMENT

Bright reverberation.

TONE NAME CARTRIDGE NO. TONE NO. **HARPSICHORD 2**

PARAMETER

| | MODUI | LATION |
|-------------------|-------|--------|
| LINE SELECT | RING | NOISE |
| 1+1' | OFF | OFF |
| H 0 1 + 01 1 + 40 | /ONI | OEE: |

| DETUNE | | | | | | | | | | |
|--------|---------|----------|----------|--|--|--|--|--|--|--|
| +/- | OCTAVE | NOTE | FINE | | | | | | | |
| _ | 1 | 00 | 00 | | | | | | | |
| 141-1 | (0 - 3) | (0 - 11) | (0 - 60) | | | | | | | |

| | VIBR | OCTAVE | | |
|---------|----------|----------|--------|---------------|
| WAVE | DELAY | RATE | DEPTH | +/- RANGE |
| 1 | 00 | 50 | 00 | + 1 |
| (1 - 4) | (0 - 99) | (0 - 99) | (0~99) | (+/-) $(0-1)$ |

DCO 1

| WAVE | FORM |
|-------|---------|
| FIRST | SECOND |
| 4 | 6 |
| (1~8) | (0 ~ 8) |

| | | | | 0 | (PITCI | N V | | | |
|-----|---|---|---|---|--------|-----|-----|-----|---------|
| 3 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | STEP |
| (0- | | | | | | | 96 | 99 | RATE |
| (0 | | | | | | | 00 | 66 | LEVEL |
| | | | | | | | END | SHE | SUS/END |

2

DCO 2

| WAVE FORM | | | | | | | |
|-----------|--------|--|--|--|--|--|--|
| FIRST | SECOND | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

| | E ■ V (PITCH) | | | | | | | | | | |
|---|---------------|---|---|---|---|---|----|---|--|----------|--|
| | STEP | 1 | 2 | 3 | 4 | 5 | -6 | 7 | | | |
| | RATE | | | | | | | | | (0 - 99) | |
| | LEVEL | | | | | | | | | (0 ~ 99) | |
| ı | SUS/END | | | | | | | | | | |

DCW 1

| KEY FOLLOW | |
|------------|-------|
| 2 | (0~9) |

| E II V (WAVE) | | | | | | | | | | |
|---------------|-----|----|----|-----|---|---|---|---|----------|--|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | |
| RATE | 96 | 94 | 37 | 99 | | | | | (0 ~ 99) | |
| LEVEL | 80 | 70 | 56 | 00 | | | | | (0~99) | |
| SUS/END | SUS | | | END | | | | | | |

DCW 2

| KEY FOLLOW | |
|------------|--------|
| | (0 - 9 |
| | 10-3 |

| E N V (WAVE) | | | | | | | | | | |
|--------------|---|---|---|---|---|---|---|---|---------|--|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | |
| RATE | | | | | | | | | (0 99 | |
| LEVEL | | | | | | | | | (0 ~ 98 | |
| SUS/END | | | | | | | | | | |

DCA 1

| | KEY FOLLOW | |
|---|------------|---------|
| ı | 5 | (0 - 9) |

| E N V (AMP) | | | | | | | | | |
|-------------|----|-----|-----|---|---|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 90 | 30 | 62 | | | | | | (0~99) |
| LEVEL | 99 | 00 | 00 | | | | | | (0 – 99) |
| SUS/END | | sus | END | | | | | | |

DCA 2

| KEY FOLLOW | |
|------------|------|
| | (D-9 |
| | 10-9 |

| | | - 1 | E E V | (AMP |) | | | | |
|---------|---|-----|-------|------|---|---|---|---|---------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| PATE | | | | | | | | | (0 ~ 9) |
| LEVEL | | | | | | | | | (0 ~ 99 |
| SUS/END | | | | | | | | | |

COMMENT

Realistic harpsichord with metallic reverberation.

TONE NAME CARTRIDGE NO. TONE NO. FUNKY CLAVI.

PARAMETER

| | | _ | | | |
|-----------------|------------|-------|--|--|--|
| | MODULATION | | | | |
| LINE SELECT | RING | NOISE | | | |
| 1+2' | OFF | OFF | | | |
| (1,2,1+2',1+1') | (ON/OFF) | | | | |

| DETUNE | | | | | | | | |
|--------|---------|----------|----------|--|--|--|--|--|
| +1- | OCTAVE | NOTE | FINE | | | | | |
| + | 1 | 00 | 06 | | | | | |
| (+1-) | (0 - 3) | (0 - 11) | (0 - 60) | | | | | |

| | VIBA | OCTAVE | | | |
|---------|--------|--------|----------|-------|---------|
| WAVE | DELAY | RATE | DEPTH | +1- | RANGE |
| _ 1 | 00 | 50 | 00 | + | 0 |
| (1 ~ 4) | (0~99) | (0 99) | (0 - 99) | (+/-) | (0 ~ 1) |

1

DCO 1

| WAVE FORM | | | | | | |
|-----------|---------|--|--|--|--|--|
| FIRST | SECOND | | | | | |
| 3 | 7 | | | | | |
| (1 - 8) | (0 ~ 8) | | | | | |

| E ■ V (PITCH) | | | | | | | | |] |
|---------------|----|-----|---|---|---|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 1 |
| BATE | 99 | 99 | | | | | | | (0~99) |
| LEVEL | 66 | 00 | | | | | | | (0 - 99) |
| SUS/END | | END | | | | | | | |

2

DCO 2

| WAVE FORM | | | | | | |
|-----------|---------|--|--|--|--|--|
| FIRST | SECOND | | | | | |
| 3 | 7 | | | | | |
| {1 ~ B} | (0 - B) | | | | | |

| | | E | NV | (PITCI | H) | | | | 1 |
|---------|-----|---|----|--------|----|---|---|---|--------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |] |
| PATE | 50 | | | | | | | | (0 ~ 9 |
| LEVEL | 00 | | | | | | | | (0 ~ 9 |
| SUS/END | END | | | | | | | | 1 |

DCW 1

| KEY | FOLLOW | |
|-----|--------|---------|
| | 0 | (0 ~ 9) |

| E N V (WAVE) | | | | | | | | | | |
|--------------|-----|-----|---|---|---|---|---|---|----------|--|
| ŞTEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | |
| RATE | 99 | 00 | | | | | | | (0 – 99) | |
| LEVEL | 50 | 00 | | | | | | | (0 ~ 99) | |
| SUS/END | SUS | END | | | | | | | | |

DCW 2

| KEY FOLLOW | 1 |
|------------|-------|
| 0 | (0-9) |

| | | | NV | (WAV | E) | | | | 1 |
|---------|-----|-----|----|------|----|---|---|---|---------|
| STEP | _ 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 99 | 00 | | | | | | | (0 - 9 |
| LEVEL | 50 | 00 | | | | | | | (0 - 9) |
| SUS/END | SUS | END | | | 1 | | | | |

DCA 1

| KEY | FOLLOW | |
|-----|--------|---------|
| | 0 | (0 - 9) |

| E N V (AMP) | | | | | | | | | | | |
|-------------|----|----|-----|-----|-----|---|---|---|----------|--|--|
| STEP | 1 | 2 | 3 | 4 | - 5 | 6 | 7 | 8 | | | |
| RATE | 99 | 33 | 57 | 99 | | | | | (0~99) | | |
| FEAET | 90 | 16 | 00 | 00 | | | | | (0 - 99) | | |
| SUS/END | | | SUS | END | | | - | _ | | | |

DCA 2

| KEY | FOLLOW | |
|-----|--------|---------|
| | 0 | (0 – 9) |

| | | 1 | | | | | | | |
|---------|----|----|----|-----|-----|---|---|---|---------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 76 | 94 | 58 | 44 | 90 | | | | (0 - 99 |
| LEVEL | 01 | 99 | 90 | 00 | 00 | | | | (0 - 99 |
| SUS/END | | | | SUS | END | | | | |

COMMENT

Combination of waveform and resonance waveform for funky effect.

SYNTH. CLAVI. 1

PARAMETER

| | MÖDUI | ATION. | |
|---------------------|-------|--------|--|
| LINE SELECT | RING | NOISE | |
| 1+2' | ON | OFF | |
| (1.2.1) 21.1 + 111 | (ON/ | OFF1 | |

| | DE | TUNE | |
|-------|---------|----------|----------|
| +1- | OCTAVE | NOTE | FINE |
| + | 2 | 02 | 00 |
| (+/-) | (0 ~ 3) | (0 - 11) | (0 ~ 60) |

| | 0 | CTAVE | | | |
|-------|----------|----------|----------|-------|-------|
| WAVE | DELAY | RATE | DEPTH | +1- | RANGE |
| 1 | 00 | 23 | 02 | + | 0 |
| (1-4) | (0 ~ 99) | (0 - 99) | (0 - 99) | (+1-) | (0-1) |

1

DCO 1

| WAVE | FORM |
|-------|---------|
| FIRST | SECOND |
| 3 | 4 |
| (1~8) | (8 - 0) |

| | | E | ■ V | (PITCI | H) | | | | |
|---------|-----|---|-----|--------|----|-----|---|---|--------|
| STEP | 1 | 2 | 3 | 4 | 5 | - 8 | 7 | В | |
| RATE | 50 | | | | | | | | (0 - 9 |
| LEVEL | 00 | | | | | | | | (0~9 |
| SUS/END | END | | | | | | | | 10.0 |

2

DCO 2

| WAVE FORM | | | | | | |
|-----------|---------|--|--|--|--|--|
| FIRST | SECOND | | | | | |
| 2 | 0 | | | | | |
| (1~8) | (0 - 8) | | | | | |

| <u> </u> | | Ē | N V | (PITCI | 4) | | | | 1 |
|----------|-----|---|-----|--------|----|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 50 | | | | | | | | (0 ~ 99) |
| LEVEL | 00 | | | | | | | | (0~99) |
| SUSJEND | END | | | | | | | | |

DCW 1

| KEY FOLLOW | |
|------------|---------|
| 9 | (0 - 9) |

| | | Е | N V | (WAVI | E) | | | | |
|---------|-----|----|-----|-------|----|---|---|---|---------|
| STEP | 1 | 2_ | 3 | 4 | 5 | 6 | 7 | 8 | |
| HATE | 99 | | | | | | | | (0 ~ 98 |
| FEAET | 00 | | | | | | | | (0 - 99 |
| SUS/END | END | | | | | | | | |

DCW 2

| KEY FOLLOW | |
|------------|--------|
| 9 | (0 - 9 |

| | | E | NV | (WAV | <u>=</u>) | | | | 1 |
|---------|----|-----|----|------|------------|---|---|---|---------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| FIATE | 99 | 25 | | | | | | | (0 ~ 98 |
| rever | 86 | 00 | | | | | | | (0 ~ 99 |
| SUS/END | | END | | | | | | | 1 |

DCA 1

| KEY FOLLOW | |
|------------|---------|
| 4 | (0 - 9) |

| E N V (AMP) | | | | | | | | | |
|-------------|----|------|-----|---|---|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 95 | 26 | 50 | | | | | | (0 - 99) |
| LEVEL | 99 | 00 | 00 | | | | | | (0 ~ 99) |
| CHEVEND | | CLIC | END | | | | | | |

DCA 2

| KEY FOLLOW | |
|------------|---------|
| 0 | (0 - 9) |

| _ | | E | E N V | (AMP |) | | | | |
|---------|----|-----|-------|------|---|---|---|----|---------|
| STEP | -1 | | 3 | 4 | 5 | 6 | 7 | .8 | |
| RATE | 95 | 23 | | | | | | | (0 - 99 |
| LEVEL | 99 | 00 | | | | | | | (0 - 99 |
| SUS/END | | END | | | | | | | 1 |

COMMENT

Selecting waveforms 3 and 4 for DCO 1 and adding DCO 2 RING MODULATION.

| TONE NAME | CARTRIDGE NO. | TONE NO. |
|-----------------|---------------|----------|
| SYNTH. CLAVI. 2 | | |

| | MODUI | ATION | | | | |
|-----------------|----------|-------|--|--|--|--|
| LINE SELECT | RING | NOISE | | | | |
| 1+2' | ON | OFF | | | | |
| (1,2,1+2',1+1') | (ON/OFF) | | | | | |

| | DETUNE | | | | | | | | | | |
|-------|---------|----------|----------|--|--|--|--|--|--|--|--|
| +/- | OCTAVE | NOTE | FINE | | | | | | | | |
| + | 3 | 00 | 11 | | | | | | | | |
| 1+1-1 | (0 ~ 3) | (0 ~ 11) | (0 ~ 60) | | | | | | | | |

| | VIBR | 0 | CTAVE | | |
|---------|----------|----------|----------|-------|---------|
| WAVE | DELAY | DEPTH | +/- | RANGE | |
| 1 | 00 | 23 | 02 | + | 0 |
| {1 ~ 4} | (0 ~ 99) | (0 ~ 99) | (0 - 99) | (+/-) | (Q - 1) |

DCO 1

| WAVE FORM | | | | | | | |
|-----------|---------|--|--|--|--|--|--|
| FIRST | SECOND | | | | | | |
| 3 | 4 | | | | | | |
| (1 - 8) | (8 - 0) | | | | | | |

| E N V (PITCH) | | | | | | | | | | |
|---------------|-----|---|---|---|---|---|---|---|----------|--|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | |
| RATE | 50 | | | | | | | | (0 - 99) | |
| LEVEL | 00 | | | | | | | | (0 - 99) | |
| SUS/END | END | | | | | | | | (0 00) | |

DCO 2

| WAVE FORM | | | | | | |
|-----------|---------|--|--|--|--|--|
| FIRST | SECOND | | | | | |
| 1 | 0 | | | | | |
| (1 ~ 8) | (0 + B) | | | | | |

| | | Е | NV | (PITCI | H) | | | |
|---------|-----|---|----|--------|----|---|---|---|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| RATE | 50 | | | | | | | |
| LEVEL | 00 | | | | | | | |
| SUS/END | END | | - | | | | | |

DCW 1

| KEY | FOLLOW | |
|-----|--------|-------|
| | 1 | (0~9) |

| E N V (WAVE) | | | | | | | | | | | |
|--------------|----|-----|---|---|---|---|---|---|----------|--|--|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 6 | | | |
| RATE | 99 | 00 | | | | | | | (0 - 99) | | |
| LEVEL | 24 | 00 | | | | | | | (0 - 99) | | |
| SUS/END | | END | | | | | | | | | |

DCW 2

| KEY | FOLLOW | |
|-----|--------|--------|
| | 4 | (0 - 9 |

| E N V (WAVE) | | | | | | | | | | | |
|--------------|----|-----|---|---|---|---|---|---|----------|--|--|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | | |
| RATE | 99 | 42 | | | | | | | (0 ~ 99) | | |
| LEVEL | 89 | 00 | | | | | | | (0 - 99) | | |
| SUS/END | | END | | | | | | | | | |

DCA 1

| KEY FOLLOW | |
|------------|---------|
| 6 | (0 ~ 9) |

| E N V (AMP) | | | | | | | | | | | |
|-------------|----|-----|-----|---|---|---|---|---|----------|--|--|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 6 | | | |
| RATE | 95 | 26 | 45 | | | | | | (0 ~ 99) | | |
| LEVEL | 99 | 00 | 00 | | | | | | (0 - 99) | | |
| SUS/END | | SUS | END | | | | | | | | |

DCA 2

| KEY FOLLOW | |
|------------|---------|
| 5 | (0 - 9) |

| | | | T | her | 1 | | | | 1 |
|---------|----|-----|-------|------|---|---|---|---|---------|
| | | E | = N V | (AMP |) | | | | |
| STEP | -1 | 2 | 3 | 4 | 5 | 6 | 7 | В | |
| RATE | 95 | 23 | | | | | | | (0 - 99 |
| LEVEL | 99 | 00 | | | | | | | (0 - 99 |
| SUS/END | | END | | | | | | | |

COMMENT Non-integral harmonics enhanced in attack.

TONE NAME CARTRIDGE NO. TONE NO. **XYLOPHONE 1**

PARAMETER

| | MODUL | ATION | | |
|-----------------|----------|-------|--|--|
| LINE SELECT | RING | NOISE | | |
| 1+2' | OFF | OFF | | |
| (1,2,1+2',1+1') | (ON/OFF) | | | |

| DETUNE | | | | | | | | |
|--------|---------|----------|----------|--|--|--|--|--|
| +/- | OCTAVE | NOTE | FINE | | | | | |
| + | 3 | 04 | 00 | | | | | |
| (+1-) | (0 - 3) | (0 - 11) | (0 - 60) | | | | | |

| | 00 | CTAVE | | | |
|-------|----------|----------|----------|-------|-------|
| WAVE | DELAY | RATE | DEPTH | +/- | PANGE |
| 1 | 52 | 50 | 14 | + | 0 |
| (1-4) | (0 - 99) | (0 ~ 99) | (0 - 99) | (+1-) | (0-1) |

1

DCO 1

| WAVE FORM | | | | | | |
|-----------|--------|--|--|--|--|--|
| FIRST | SECOND | | | | | |
| 5 | 0 | | | | | |
| 0 | 0 | | | | | |

| | | Е | ■ V | (PITCI | H) | | | | 1 |
|---------|-----|---|-----|--------|----|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 50 | | | | | | | | (0 ~ 99) |
| LEVEL | 00 | | | | | | | | (0 ~ 99) |
| SUS/END | END | | | | | | | | |

2

DCO₂

| WAVE FORM | | | | | | |
|-----------|---------|--|--|--|--|--|
| FIRST | SECOND | | | | | |
| 5 | 0 | | | | | |
| (1 - 8) | (0 - 8) | | | | | |

| | | | N V | (PITC | H) | | | | 1 |
|---------|-----|---|-----|-------|----|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 50 | | | | | | | | (0 - 99) |
| LEVEL | 00 | | | | | | | | (0 ~ 99) |
| SUS/END | END | | | | | | | | 1 |

DCW 1

| KEY FOLLOW | |
|------------|---------|
| 0 | (0 ~ 9) |

| | | E | ■ V | (WAVI | E) | | | | |
|---------|-----|---|-----|-------|----------|---|---|---|--------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| HATE | 99 | | | | | | | | (0 - 9 |
| LEVEL | 00 | | | | | | | | (0 - 9 |
| SUS/END | END | | | | <u> </u> | | | | |

DCW 2

| KEY | FOLLOW | |
|-----|--------|------|
| | 0 | (0-9 |

| | | E | NV | (WAV | E) | | | 1 |
|---------|----|-----|----|------|----|---|---|----------|
| STEP | 1 | 1 | 3 | 4 | 5 | 7 | 8 |] |
| RATE | 99 | 62 | | | | | | (0~99) |
| LEVEL | 16 | 00 | | | | | | (0 - 99) |
| SUS/END | | END | | | | | | |

DCA 1

| KEY FOLLOW | |
|------------|---------|
| 4 | (0 - 9) |

| | | - 1 | N V | (AMP |) | | | |] |
|---------|----|-----|-----|------|---|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 99 | 55 | 52 | | | | | | (0 ~ 99) |
| LEVEL | 99 | 89 | 00 | | | | | | {0 - 99} |
| SUS/END | | | END | | | | | | |

DCA 2

| KEY FOLLOW | |
|------------|---------|
| 4 | (0 ~ 9) |

| | | [| E N V | (AMF |) | | | |] |
|---------|----|-----|-------|------|---|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 99 | 49 | | | | | | | (0 - 99) |
| LEVEL | 79 | 00 | | | | | | | (0 – 99) |
| SUS/END | | END | | | | | | | |

COMMENT

Comparatively hard mallet effect.

TONE NO. TONE NAME CARTRIDGE NO. **XYLOPHONE 2**

PARAMETER

| | MODUI | ATION |
|-----------------|-------|-------|
| LINE SELECT | RING | NOISE |
| 1+2' | OFF | OFF |
| (1.2.1+2'.1+1') | (ON/ | OFF) |

| DETUNE | | | | | | | | |
|---------------------------|--------|------|------|--|--|--|--|--|
| +/- | OCTAVE | NOTE | FINE | | | | | |
| + | 2 | 00 | 00 | | | | | |
| (+/-) (0-3) (0-11) (0-80) | | | | | | | | |

| | VIBR | ATO | | Ō | CT/ |
|---------|---------------|--------|----------|-------|-----|
| WAVE | DELAY | RATE | DEPTH | +1- | R |
| 1 | 00 | 50 | 00 | | |
| (1 ~ 4) | $(0 \sim 99)$ | (0~99) | (0 ~ 99) | (+1-) | (|

| | OCTAVE | | | | | | | |
|--------|--------|--|--|--|--|--|--|--|
|] [+/- | RANGE | | | | | | | |
| - | 1 | | | | | | | |

DCO 1

| WAVE FORM | | | | | | |
|-----------|--------|--|--|--|--|--|
| FIRST | SECOND | | | | | |
| _ | | | | | | |
| 5 | 0 | | | | | |

| | | | N V | (PITCI | H) | | | | } |
|---------|-----|---|-----|--------|----|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 50 | | | | | | | | (0 - 99) |
| LEVEL | 00 | | | | | | | | (0 ~ 99) |
| QHQ/END | END | | | | | | | | 10, |

DCO 2

| WAVE FORM | | | | | | |
|-----------|---------|--|--|--|--|--|
| FIRST | SECOND | | | | | |
| 1 | 5 | | | | | |
| (1 ~ 8) | (0 - 8) | | | | | |

| | | | | | | | | | _ | | | |
|---------|---------------|---|---|---|---|---|---|---|----------|--|--|--|
| | E N V (PITCH) | | | | | | | | | | | |
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | | | |
| RATE | 50 | |] | | | | | | (0 ~ 99) | | | |
| LEVEL | 00 | | | | | | | | (0 ~ 99) | | | |
| SUS/END | END | | | | | | | | | | | |

DCW 1

| KEY FOLLOW | |
|------------|---------|
| 0 | (0 ~ 9) |

| E N V (WAVE) | | | | | | | | | | | |
|--------------|-----|-----|---|---|---|---|---|---|----------|--|--|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | | |
| RATE | 99 | 58 | | | | | | | (0 ~ 99) | | |
| LEVEL | 05 | 00 | | | | | | | (0 ~ 99) | | |
| SUS/END | SUS | END | | | | | | | | | |

DCW 2

| KEY FOLLOW | |
|------------|--------|
| 0 | (0 - 9 |

| E N V (WAVE) | | | | | | | | | | | |
|--------------|----|-----|---|---|---|---|---|---|------|--|--|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | | |
| RATE | 99 | 59 | | | | | | | (0 ~ | | |
| LEVEL | 10 | 00 | | | | | | | (0~ | | |
| SUS/END | | END | | | | | | | | | |

DCA 1

| KEY FOLLOW | |
|------------|-------|
| 0 | (0~9) |

| Γ | E N V (AMP) | | | | | | | | | | | |
|---|-------------|----|----|----|-----|---|---|---|---|--------|--|--|
| ľ | STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | } | | |
| | RATE | 99 | 83 | 85 | 49 | | | | | (0-99) | | |
| | LEVEL | 69 | 33 | 62 | 00 | | | | | (0~99) | | |
| r | SHS/END | | | | END | | | | | | | |

DCA 2

| KEY FOLLOW | |
|------------|--------|
| 2 | (0 ~ 9 |

| E N V (AMP) | | | | | | | | | | |
|-------------|----|----|-----|---|---|---|---|---|---------|--|
| STEP | 1 | 2 | | 4 | 5 | 6 | 7 | 8 | 1 | |
| RATE | 99 | 57 | 54 | | | | | | (0~99 | |
| LEVEL | 99 | 60 | 00 | | | | | | (0 - 99 | |
| SUS/END | | | END | | | | | |] | |

COMMENT Comparatively soft mallet.

TONE NAME CARTRIDGE NO. TONE NO. BELL-LYRA

PARAMETER

| | MODUL | ATION |
|-----------------|--------|--------|
| LINE SELECT | RING | NOISE |
| LINE SECEOT | 111140 | 140100 |
| 1+2' | ON | OFF |
| (1,2,1+2',1+1') | (ON/ | OFF) |

| | DETUNE | | | | | | | | | | | |
|-------|---------|----------|----------|--|--|--|--|--|--|--|--|--|
| +1- | OCTAVE | NOTE | FINE | | | | | | | | | |
| + | 1 | 08 | 27 | | | | | | | | | |
| l+l-1 | (0 ~ 3) | (0 ~ 11) | (0 ~ 60) | | | | | | | | | |

| | VIBR | 00 | CTAVE | | |
|-------|----------|----------|----------|-------|-------|
| WAVE | DELAY | RATE | DEPTH | +1- | RANGE |
| 1 | 00 50 | | 00 | + | 1 |
| (1-4) | (0 - 99) | (0 - 99) | (0 ~ 99) | (+/-) | (0~1) |

1

DCO 1

| WAVE | FORM |
|---------|---------|
| FIRST | SECOND |
| 1 | 0 |
| (1 ~ 8) | (0 ~ 8) |

| | | E | ΝV | (PITCI | H) | - | | |] |
|---------|----|-----|----|--------|----|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 99 | 99 | | | | | | | (0 ~ 99) |
| LEVEL | 80 | 00 | | | | | | | (0 ~ 99) |
| SUS/END | | END | | | | | | | 1 |

2

DCO 2

| WAVE | FORM |
|---------|---------|
| FIRST | SECOND |
| 5 | 0 |
| (1 ~ B) | (0 - B) |

| , | | | | | | | | | r | | | | | |
|----------|---|---------------|---|----|---|---|-----|----|---------|--|--|--|--|--|
| | | E N V (PITCH) | | | | | | | | | | | | |
|] | 8 | 7 | 6 | -5 | 4 | 3 | 2 | 1 | STEP | | | | | |
| (0 ~ 99) | | | | | | | 99 | 99 | RATE | | | | | |
| (0 ~ 99) | | | | | | | 00 | 99 | LEVEL | | | | | |
| 1 | | | | | | | END | | SUS/END | | | | | |

DCW 1

| KEY FOLLOW | |
|------------|---------|
| 0 | (0 ~ 9) |

| ■ N V (WAVE) | | | | | | | | | | | | |
|--------------|-----|---|---|---|---|----|---|---|----------|--|--|--|
| STEP | 1 | 2 | 3 | 4 | 5 | -6 | 7 | В | } | | | |
| RATE | 99 | | | | | | | | (0 - 99) | | | |
| LEVEL | 00 | | | | | | | | (0 ~ 99) | | | |
| SUS/END | END | | | | | | | | | | | |

DCW 2

| KEY FOLLOW | |
|------------|--------|
| 0 | (0 - 9 |

| E N V (WAVE) | | | | | | | | | | | | | |
|--------------|----|-----|---|---|---|---|---|---|---------|--|--|--|--|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |] | | | | |
| RATE | 99 | 99 | | | | | | | (0~99 | | | | |
| LEVEL | 75 | 00 | | | | | | | (0 - 99 | | | | |
| SUS/END | | END | | | | | | | | | | | |

DCA 1

| KEY FOLLOW | |
|------------|---------|
| 0 | (0 ~ 9) |

| E N V (AMP) | | | | | | | | | | | | |
|-------------|----|-----|---|---|---|---|---|---|----------|--|--|--|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | | | |
| RATE | 99 | 48 | | | | | | | (0 - 99) | | | |
| LEVEL | 99 | 00 | | | | | | | (0 - 99) | | | |
| SUS/END | | END | | | | | | | 1 | | | |

DCA 2

| KEY FOLLOW | |
|------------|---------|
| 0 | (0 ~ 9) |

| | | | | E N V | (AMP |) | | | |] |
|---|---------|-----|-----|-------|------|---|---|---|---|--------|
| Ì | STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 1 |
| | RATE | 99 | 54 | | | | | | | (0~99) |
| | LEVEL | 99 | 00 | | | | | | | (0~99) |
| | SUS/END | SUS | END | | - | | | | | |

COMMENT RING MODULATION used for metallic vibration.

| TONE NAME | CARTRIDGE NO. | TONE NO. |
|-----------|---------------|----------|
| TRUMPET 2 | | |

| | | _ | | | | | |
|---------------------|------------|-------|--|--|--|--|--|
| | MODULATION | | | | | | |
| LINE SELECT | RING | NOISE | | | | | |
| 1+2' | OFF | OFF | | | | | |
| (1.2.1 + 2'.1 + 1') | (ON/OFF) | | | | | | |

| | DETUNE | | | | | | | | | |
|-------|---------|--------|----------|--|--|--|--|--|--|--|
| +1- | OCTAVE | NOTE | FINE | | | | | | | |
| + | 0 | 00 | 00 | | | | | | | |
| (+/-) | (0 ~ 3) | (0~11) | (0 ~ 60) | | | | | | | |

| | VIBR | Го | CTAVE | | |
|---------|----------|----------|----------|-------|-------|
| WAVE | DELAY | RATE | DEPTH | +/- | RANGE |
| 1 | 53 | 52 | 09 | + | 0 |
| (f - 4) | (0 - 99) | (0 - 99) | (0 - 99) | (+/-) | (0~1) |

1

DCO 1

| WAVE FORM | | | | | | | |
|-----------|---------|--|--|--|--|--|--|
| FIRST | SECOND | | | | | | |
| 3 | 0 | | | | | | |
| (1 ~ B) | (0 ~ 8) | | | | | | |

| € N V (PITCH) | | | | | | | | | |
|---------------|-----|---|---|---|---|---|---|--|------|
| STEP | 11 | 2 | 3 | 4 | 5 | 6 | 7 | | |
| RATE | 50 | | | | | | | | (0~9 |
| LEVEL | 00 | | | | | | | | (0~9 |
| SUS/END | END | | | | | | | | |

2

DCO 2

| WAVE FORM | | | | | | | |
|-----------|---------|--|--|--|--|--|--|
| FIRST | SECOND | | | | | | |
| 3 | 0 | | | | | | |
| (1 ~ 8) | (0 ~ 0) | | | | | | |

| | | | NV | (PITCI | H) | | | |] |
|---------|-----|---|----|--------|----|---|---|---|---------|
| STEP | 11 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 50 | | | | | | | | (0 - 99 |
| LEVEL | 00 | | | | | | | | (0 - 99 |
| SUS/END | END | | | | | | | _ | |

DCW 1

| KEY | FOLLOW |] |
|-----|--------|--------|
| | 4 | (0 - 9 |

| ■ W V (WAVE) | | | | | | | | | |
|--------------|----|-----|-----|---|---|---|---|---|--------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 1 |
| RATE | 73 | 53 | 50 | | | | | | (0~9 |
| LEVEL | 99 | 88 | 00 | | | - | | | (0 - 9 |
| SUS/END | | SUS | END | | | | | | |

DCW 2

| KEY | FOLLOW | |
|-----|--------|------|
| | 0 | (0~9 |

| | | E | N V | (WAV | E) | | | | 1 |
|---------|----|-----|-----|------|----|---|---|-----|-------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | . 8 | 1 |
| RATE | 75 | 53 | 50 | | | | | | (0~99 |
| LEVEL | 99 | 88 | 00 | | | | | | (0~99 |
| SUS/END | | SUS | END | _ | | | | | |

DCA 1

| KEY FOLLOW | |
|------------|-------|
| 1 | (0~9) |

| E N V (AMP) | | | | | | | | | |
|-------------|-----|-----|---|---|---|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | В | |
| RATE | 83 | 55 | | | | | | | (0 ~ 99) |
| FEAET | 99 | 00 | | | | | | | (0~99) |
| SUS/END | SUS | END | | | - | | | | 1 |

DCA 2

| KEY FOLLOW | |
|------------|------|
| 0 | (0-9 |

| | | | E N V | (AMP |) | | | | 1 |
|---------|-----|-----|-------|------|---|---|---|---|---------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| PATE | 83 | 55 | | | | | | | (0 ~ 99 |
| LEVEL | 99 | 00 | | | | | | | (0 ~ 99 |
| SUS/END | SUS | END | | | | | | - | |

COMMENT Strong attack, crisp trumpet.

TRUMPET 3

PARAMETER

| | MODUI | ATION | | | |
|-----------------|----------|-------|--|--|--|
| LINE SELECT | RING | NOISE | | | |
| 1+2' | ON | OFF | | | |
| (1.2,1+2',1+1') | (ON/OFF) | | | | |

| DETUNE | | | | | | | | | |
|--------|---------|----------|----------|--|--|--|--|--|--|
| +1- | OCTAVE | NOTE | FINE | | | | | | |
| _ | 0 | 00 | 03 | | | | | | |
| (+f-) | (0 ~ 3) | (0 ~ 11) | (0 ~ 60) | | | | | | |

| ı | | 00 | CTAVE | | | |
|---|---------|----------|---------------|--------|-------|---------|
| | WAVE | DELAY | RATE | DEPTH | +/- | RANGE |
| | 1 | 51 | 54 | 05 | + | 1 |
| | (1 ~ 4) | (0 ~ 99) | $(0 \sim 99)$ | (0~99) | (+/-) | {0 ~ 1} |

1

DCO 1

| WAVE FORM | | | | | | | |
|-----------|---------|--|--|--|--|--|--|
| FIRST | SECOND | | | | | | |
| 5 | 0 | | | | | | |
| (1 ~ 8) | (0 - 8) | | | | | | |

| | | E | NV | (PITCI | H) | | | |
|---------|----|-----|----|--------|----|---|---|---|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| RATE | 73 | 68 | | | | | | |
| LEVEL | 33 | 00 | | | | | | |
| SUS/END | | END | | | | | | |

2

99)

DCO 2

| WAVE FORM | | | | | | |
|--------------|---------|--|--|--|--|--|
| FIRST SECOND | | | | | | |
| 5 | 0 | | | | | |
| (1 ~ 8) | (0 ~ 8) | | | | | |

| | | Е | N V | (PITCI | -1) | | | | 1 |
|---------|----|-----|-----|--------|-----|---|---|---|---------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 73 | 68 | | | | | | | (0 ~ 98 |
| LEVEL | 33 | 00 | | | | | | | (0 - 98 |
| SUS/END | | END | | | | | | | |

DCW 1

| KEY FOLLOW | |
|------------|---------|
| 0 | (0 - 9) |

| | - | Е | NV | (WAVE | Ξ) | | | | |
|---------|----|----|-----|-------|----|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 79 | 45 | 37 | 26 | | | | | (0 ~ 99) |
| LEVEL | 99 | 72 | (73 | 00 | | | | | (0 - 99) |
| SUS/END | | | SUS | END | | | | | |

DCW 2

| KEY F | FÖLLOW | |
|-------|--------|-------|
| | 0 | (0~9) |

| | | | NV | (WAVE | Ξ) | | | | |
|---------|----|----|-----|-------|----|---|---|---|---------|
| STEP | 1_ | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 76 | 45 | 37 | 26 | | | | | (0 ~ 99 |
| LEVEL | 99 | 72 | 73 | 00 | | | | | (0 ~ 99 |
| SUS/END | | | SUS | END | | | | | |

DCA 1

| KEY FOLLOW | |
|------------|---------|
| 9 | (0 ~ 9) |

| | | | E N V | (AMP |) | | | | |
|---------|----|-----|-------|------|---|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 82 | 87 | 60 | 55 | | | | | (0 - 99) |
| LEVEL | 44 | 93 | 79 | 00 | | | | | (0 ~ 99) |
| SUS/END | | SUS | | END | | | | | 1 |

DCA 2

| KEY FOLLOW | |
|------------|---------|
| 9 | (0 – 9) |

| | | Į | N V | (AMP |) | | | | |
|---------|----|-----|-----|------|---|---|---|---|---------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 82 | 87 | 60 | 55 | | | | | (0 ~ 99 |
| LEVEL. | 99 | 98 | 92 | 00 | | | | | (0 - 99 |
| SUS/END | | SUS | | END | | | | | |

COMMENT

RING MODULATION and slight DETUNE applied.

| | | MODUL | .ATION |
|---|---------------------|-------|--------|
| | LINE SELECT | RING | NOISE |
| ſ | 1+1' | OFF | OFF |
| | (1,2,1 + 2',1 + 1') | (ON/ | OFF) |

| | DE | TUNE | |
|-------|--------|----------|----------|
| +/- | OCTAVE | NOTE | FINE |
| + | 0 | 00 | 00 |
| (+/-) | (0-3) | (0 - 11) | (0 ~ 60) |

| | VIBA | ATO | | 00 | CTAVE |
|-------|----------|----------|--------|-------|---------|
| WAVE | DELAY | RATE | DEPTH | +1- | RANGE |
| 1 | 50 | 60 | 11 | + | 0 |
| (1-4) | (0 ~ 99) | (0 ~ 99) | (0~99) | (+/-) | (0 - 1) |

1

DCO 1

| WAVE | FORM |
|---------|---------|
| FIRST | SECOND |
| 3 | 4 |
| (1 - B) | (0 ~ 8) |

| | | E | ΝV | (PITCI | H) | | | |] |
|---------|----|-----|-----|--------|----|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 99 | 64 | 50 | | | | | | (0 - 99) |
| LEVEL | 29 | 00 | 00 | | | | | | (0 ~ 99) |
| SUS/END | | SUS | END | | | | | | (0 - 05) |

2

DCO 2

| WAVE | FORM |
|---------|---------|
| FIRST | SECOND |
| | |
| | |
| (1 - 8) | (0 ~ 8) |

| STEP \$ 1 3 4 5 6 7 8 | | | N V | (PITCI | 1) | | | | |
|------------------------------|-------|---|-----|--------|----|---|---|---|------|
| | STEP | 1 | 3 | 4 | 5 | 6 | 7 | 8 |] |
| | RATE | | | | | | | | (0 - |
| LEVEL | LEVEL | | | | | | | | (0- |

DCW 1

| KEY FOLLOW | |
|------------|---------|
| 9 | (0 ~ 9) |

| | | É | N V | (WAVI | Ε) | | | |
|---------|-----|-----|-----|-------|----|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 7 | 8 | |
| RATE | 74 | 50 | | | | | | (0 ~ 99) |
| LEVEL | 93 | 00 | | | | | | (0 ~ 99) |
| SUS/END | SUS | END | | | | | | |

DCW 2

| KEY FOLLOW | |
|------------|-------|
| | (0 01 |
| | (0-9) |

| | | 1 | N V | (WAV | È) | | | |] |
|---------|---|---|-----|------|----|---|---|----|--------|
| STEP | 1 | | 3 | 4 | 5 | 6 | 7 | -8 | |
| RATE | | | | | | | | | (0 ~ 9 |
| LEVEL | | | | | | | | | (0~9t |
| SUS/END | | | | | | | | | |

DCA 1

| KEY | FOLLOW | |
|-----|--------|------|
| | 1 | (0-9 |

| | | | E N V | (AMP | } | | | | |
|---------|-----|-----|-------|------|---|---|----|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | _7 | 8 | |
| RATE | 73 | 64 | | | | | | | (0 ~ 99) |
| LEVEL | 93 | 00 | | | | | | | (0 ~ 99) |
| SUS/END | SUS | FND | | | | | | _ | |

DCA 2

| KEY FOLLOW | |
|------------|-------|
| | (0~9) |
| | |

| | | | N V | (AMP |) | | | | 1 |
|---------|---|---|-----|------|---|---|---|---|----------|
| STEP | 1 | 2 | _ 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | | | | | | | | | (0 - 99) |
| LEVEL | | | | | | | | | (0 - 99) |
| SUS/END | | | | | | | | | |

COMMENT

Rather bright timbre.

TONE NAME CARTRIDGE NO. TONE NO. **SAXOPHONE 2** PARAMETER MODULATION DETUNE VIBRATO OCTAVE LINE SELECT RING NOISE +/- OCTAVE NOTE FINE WAVE DELAY RATE DEPTH +/- RANGE OFF OFF 1 + 1'0 00 00 1 00 50 + + 00 0 (ON/OFF) (+/-) (0-3) $\{0 - 11\}$ (1,2,1+2',1+1')(0 - 60) $\{1-4\}$ 10 - 99110 - 991(0 - 99)(+l-) (0-1)DCO 1 DCO₂ WAVE FORM WAVE FORM FIRST SECOND FIRST SECOND 3 1 (1 - 8)(0 ~ B) (1 - 8)(0 - 8)■ N V (PITCH) E N V (PITCH) STEP 3 4 - 5 6 8 STEP 2 3 4 6 8 (0 ~ 9₃) RATE RATE 50 $(0 \sim 99)$ LEVEL 00 LEVEL $(0 \sim 99)$ (0 - 99)SUS/END END SUS/END DCW 1 DCW 2 KEY FOLLOW KEY FOLLOW 5 (0 - 9)(0 - 9)E ■ V (WAVE) E III V (WAVE) STEP 6 8 STEP 3 6 8 RATE 76 83 32 (0 - 99)RATE (0 - 99)89 84 00 LEVEL (0 - 99)LEVEL (0 - 99)SUS/END SUS END SUS/END DCA 1 DÇA 2 KEY FOLLOW KEY FOLLOW (0 - 9)(0 - 9)E N V (AMP) E N V (AMP) STEP 6 8 STEP 2 3 3 4 6 8 2 7 5

COMMENT

91

63

62

93

89

00

SUS END

RATE

LEVEL

SUS/END

Rather dark timbre.

(0 - 99)

(0 - 99)

RATE

LEVEL

SUS/END

(0 - 99)

SAXOPHONE 3

PARAMETER

| | MODUL | ATION |
|-------------|-------|-------|
| LINE SELECT | RING | NOISE |
| 4 1 07 | OFF | ON |
| 1+2 | OFF | OIN |

| DETUNE | | | | | | | | | |
|--------|---------|----------|----------|--|--|--|--|--|--|
| +1- | OCTAVE | NOTE | FINE | | | | | | |
| + | 0 | 00 | 00 | | | | | | |
| (+/-) | (0 ~ 3) | (0 - 11) | (0 - 60) | | | | | | |

| | VIBR | 00 | CTAVE | | |
|---------|--------|------------|---------------|-------|---------|
| WAVE | DELAY | RATE DEPTH | | +1- | RANGE |
| 1 | 00 | 50 00 | | + | 0 |
| (1 ~ 4) | (0~99) | (D~99) | $(0 \sim 99)$ | (+/-) | (0 ~ 1) |

\blacksquare

DCO 1

| WAVE FORM | | | | | | | |
|-----------|---------|--|--|--|--|--|--|
| FIRST | SECOND | | | | | | |
| 1 | 3 | | | | | | |
| (1 - 8) | (Q ~ 8) | | | | | | |

| | | E | III V | (PITC) | -1) | | | | |
|---------|-----|---|-------|--------|-----|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5_ | 6 | 7 | 8 | |
| RATE | 50 | | | | | | | | (0 ~ 99) |
| LEVEL | 00 | | | | | | | | (0 - 99) |
| SUS/END | END | | | | | 1 | | | 10 00) |

2

DCO 2

| WAVE FORM | | | | | | | |
|-----------|---------|--|--|--|--|--|--|
| FIRST | SECOND | | | | | | |
| 1 | 3 | | | | | | |
| (1 ~ 8) | (0 ~ 6) | | | | | | |

| | | | N V | (PITCI | 4) | | | | |
|---------|-----|---|-----|--------|----|---|---|---|------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 50 | | | | | | | | (0~9 |
| LEVEL | 00 | | | | | | | | (0~9 |
| SUS/END | END | | | | | | | | |

DCW 1

7 (0~9)

| | | | | | | | | | _ | | |
|--------------|-----|-----|---|---|---|---|---|---|----------|--|--|
| E N V (WAVE) | | | | | | | | | | | |
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | В | | | |
| RATÉ | 76 | 32 | | | | | | | (0 ~ 99) | | |
| LEVEL | 84 | 00 | | | | | | | (0 ~ 99) | | |
| SUS/END | SUS | END | | | | | | | | | |

DCW 2

| KEY FOLLOW | |
|------------|---------|
| 5 | (0 ~ 9) |

| | | Е | II V | (WAV | E) | | | | |
|---------|----|-----|------|------|----|---|---|----|---------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8_ | |
| RATE | 76 | 83 | 32 | | | - | | | (D ~ 9) |
| FEAET | 77 | 84 | 00 | | | | | | (0 - 9) |
| SUS/END | | SUS | END | | | | | | |

DCA 1

| KEY FOLLOW | |
|------------|---------|
| 2 | (0 ~ 9) |

| E N V (AMP) | | | | | | | | | | | | |
|-------------|----|------|-----|---|---|---|---|---|----------|--|--|--|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | | | |
| RATE | 91 | 62 | 89 | | | | | | (0~99) | | | |
| LEVEL | 69 | 99 | 00 | | | | | | (0 ~ 99) | | | |
| CHEZEND | | elle | END | | | | | | | | | |

DCA 2

| KEY FOLLOW | |
|------------|-------|
| 1 | (0-9) |

| E N V (AMP) | | | | | | | | | |
|-------------|----|-----|-----|---|---|----|---|---|--------|
| STEP | 1 | 2 | 3 | 4 | 5 | -6 | 7 | 8 | |
| RATE | 84 | 62 | 89 | | | | | | (0 ~ 9 |
| LEVEL | 41 | 07 | 00 | | | | | | (0 ~ 9 |
| SUS/END | | SUS | END | | | | | | |

COMMENT \ Using NOISE MODULATION at attack causes sound of breath being blown.

TONE NAME CARTRIDGE NO. TONE NO. BLUES HARMONICA 2

PARAMETER

| | MODUL | ATION | | |
|-----------------------|-------|-------|--|--|
| LINE SELECT | RING | NOISE | | |
| 1+2' | OFF | OFF | | |
| 71.0 () 01.1 () 1/1 | (ON) | OEE) | | |

| DETUNE | | | | | | | | | |
|--------|---------|----------|----------|--|--|--|--|--|--|
| +f- | OCTAVE | NOTE | FINE | | | | | | |
| + | 0 | 00 | 02 | | | | | | |
| 1+1-1 | (O = 3) | (0 ≈ 11) | (0 = 60) | | | | | | |

| | VIBR | | CTAVE | | |
|---------|----------|--------|----------|------|-------|
| WAVE | DELAY | RATE | DEPTH | +1- | RANGE |
| 2 | 50 | 58 | 04 | _ | 1 |
| (1 ~ 4) | (0 - 99) | (0-99) | (0 ~ 99) | (+/- | (0~1) |

1

DCO 1

| WAVE | FORM |
|---------|---------|
| FIRST | SECOND |
| 1 | 5 |
| (1 - 8) | (0 - 8) |

| | | E | N V | (PITCI | H) | - | | |] |
|---------|-----|-----|-----|--------|----|---|---|---|---------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 97 | 45 | | | | | | | (0 - 99 |
| LEVEL | 72 | 00 | | | | | | | (0~99 |
| SUS/END | SUS | END | | | | | | | 1 |

2

DCO 2

| WAVE FORM | | | | | | |
|-----------|--------|--|--|--|--|--|
| FIRST | SECOND | | | | | |
| 1 | 5 | | | | | |
| (1 ~ 8) | (0-8) | | | | | |

| ■ N V (PITCH) | | | | | | | | | | |
|---------------|-----|----|-----|---|---|---|---|---|----------|--|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | |
| RATE | 97 | 45 | 00 | | | | | | (0 ~ 99 | |
| LEVEL | 72 | 66 | 00 | | | | | | (0 ~ 99) | |
| SUS/END | SUS | | END | | | | | | | |

DCW 1

| KEY FOLLOW | |
|------------|------|
| 0 | (0-9 |

| [| E N V (WAVE) | | | | | | | | | |
|-----|--------------|----|-----|---|----|---|---|---|---|----------|
| . 5 | STEP | 1 | 2 | 3 | -4 | 5 | 6 | 7 | 8 | |
| F | RATE | 98 | 24 | | | | | | | (0 - 99) |
| L | EVEL | 28 | 00 | | | | | | | (0 - 99) |
| SU | S/END | | END | | | | | | | |

DCW 2

| KEY | FOLLOW | |
|-----|--------|--------|
| | 0 | (0 - 9 |

| ■ N V (WAVE) | | | | | | | | | |
|--------------|----|----|-----|---|---|---|---|--|----------|
| STEP | 1 | | 3 | 4 | 5 | 6 | 7 | | |
| HATE | 99 | 24 | 87 | | | | | | (0 ~ 99) |
| rever | 99 | 00 | 00 | | | | | | (0 ~ 99) |
| SUS/END | | | END | | | | | | |

DCA 1

| KEY FOLLOW | |
|------------|---------|
| 0 | (0 ~ 9) |

| | | | E N V | (AMP |) | | | |] |
|---------|----|----|-------|------|---|---|---|---|---------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | В | |
| RATE | 75 | 24 | 70 | | | | | | (0 ~ 99 |
| LEVËL | 99 | 00 | 00 | | | | | | (0-99 |
| SUS/END | | | END | | | | | | |

DCA 2

| KEY FOLLOW | |
|------------|--------|
| 0 | (0 - 5 |

| | | | E N V | (AMP |) | | | | |
|---------|----|----|-------|------|---|---|---|---|----------|
| STEP | 1 | 2 | | 4 | 5 | 6 | 7 | 8 | |
| RATE | 75 | 24 | 70 | | | | | | (0 - 99) |
| LEVEL | 87 | 00 | 00 | | | | | | (0 – 99) |
| SUS/END | | | END | | | | | | |

COMMENT Simple timbre.

| | | T | ONE NAM | E | CARTRI | DGE NO. | TONE NO. |
|---|-----------|---------------------------|----------|----------------------|------------|---------------------------------|----------|
| PARAMETER | | C | ELL | 0 | | | |
| | OFF - | D /- OCTAVE + 0 /-) (0-3) | 00 | 00 WAVE 1 (1 - 4) | 50 (| ATE DEPT 53 12 -99) (0-98 | + 0 |
| 1 | | | _ | 2 | | | |
| DCO 1 | | | | DCO 2 | | | |
| WAVE FORM FIRST SECOND 1 4 (1-8) (0-8) | | | | WAVE FORM FIRST SECO | | | |
| | V (PITCH) | 6 7 | | STEP 1 | E N V (PIT | | 7 8 |
| STEP 1 2 3 | 4 3 | - / | (0 ~ 99) | RATE | E 5 4 | | (0~9 |
| LEVEL 00 SUS/END END | | | (0 - 99) | LEVEL SUS/END | | | (0 9 |
| DCW 1 | | | | DCW 2 | | | |
| KEY FOLLOW | | | | KEY FOLLOW | | | |
| 0 (0-9) | | | | (0~ | 9) | | |
| E N | V (WAVE) | | | _ | E N V (WA | VE) | |
| STEP 1 2 3 | | 6 7 | 8 | STEP 1 | 2 3 4 | 5 6 | 7 8 |
| RATE 83 59 3 | 1 85 50 | | (0 - 99) | RATE | | | (0~9 |
| LEVEL 99 66 4 | 8 00 00 | | (0-99) | LEVEL | | | (0 ~ 9 |
| SUS/END SUS | END | | | SUS/END | | | |
| DCA 1 | | | | DCA 2 | | | |
| KEY FOLLOW | | | | KEY FOLLOW | | | |
| 2 (0~9) | | | | (0 - | 9) | | |
| | | | | | | | |
| STEP 1 2 3 | V (AMP) | 6 7 | В | STEP 1 | E N V (AN | | 7 |
| BATE 62 34 25 | | | (0 ~ 99) | RATE | | | (0~9 |

COMMENT Slow attack produces bowing effect.

LEVEL

SUS/END

68

99

70 00

SUS END

(0 - 99)

LEVEL

SUS/END

 $(0 \sim 90)$

TONE NAME CARTRIDGE NO. TONE NO. WOOD BASS

PARAMETER

| | MODUI | LATION |
|-------------|-------|--------|
| LINE SELECT | RING | NOISE |
| | | 1 - |
| 1+2' | ON | OFF |

| DETUNE | | | | | | | |
|--------|---------|----------|----------|--|--|--|--|
| +/- | OCTAVE. | NOTE | FINE | | | | |
| _ | 1 | 00 | 00 | | | | |
| (+1-1 | (0-3) | (0 ~ 11) | (0 ~ 60) | | | | |

| | VIBE | RATO | | |
|-------|---------------|----------|--------|--|
| WAVE | DELAY | RATE | DEPTH | |
| 1 | 31 | 50 | 29 | |
| (1-4) | $(0 \sim 99)$ | (0 ~ 99) | (0-99) | |

| 00 | OCTAVE | | | | | |
|-------|---------|--|--|--|--|--|
| +/- | RANGE | | | | | |
| | 1 | | | | | |
| (+/-) | (0 ~ 1) | | | | | |

1

DCO 1

| WAVE FORM | | | | | |
|-----------|---------|--|--|--|--|
| FIRST | SECOND | | | | |
| 1 | 0 | | | | |
| (1 ~ 8) | (8 - 0) | | | | |

| | | Е | ■ V | (PITCI | -I) | | |] |
|---------|-----|---|-----|--------|-----|---|---|--------|
| STEP | 1 | 2 | 3 | 4 | 5 | 7 | 8 | |
| RATE | 50 | | | | | | | (0~9 |
| LEVEL | 00 | | | | | | | (0 - 9 |
| SUS/END | END | | - | | | | | |

2

DCO 2

| WAVE FORM | | | | | | |
|-----------|---------|--|--|--|--|--|
| FIRST | SECOND | | | | | |
| 1 | 0 | | | | | |
| (1 - 8) | (0 ~ 8) | | | | | |

| | | , III | N V | (PITC | H) | | | | |
|---------|----|-------|-----|-------|----|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 00 | 00 | | | | | | | (0 ~ 99) |
| LEVEL | 02 | 00 | | | | | | | (0 ~ 99) |
| SUS/END | | END. | | ĺ | | | | | |

DCW 1

| KEY FOLLOW | |
|------------|---------|
| 0 | (0 ~ 9) |

| | | | N V | (WAV | E) | | | | 1 |
|---------|----|----------|-----|------|----|---|---|---|----------|
| STEP | 1 | 2 | 3_ | 4 | 5 | 6 | 7 | 8 | |
| FIATE | 92 | 44 | 47 | | | | | | (0 - 99) |
| LEVEL | 80 | 62 | 00 | | | | | | (0 - 99) |
| SUS/END | | <u> </u> | END | | | | | | |

DCW 2

| KEY | FOLLOW | 1 |
|-----|--------|------|
| | 0 | (0 - |

| E N V (WAVE) | | | | | | | | | |
|--------------|----|-----|---|---|---|---|-----|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | _ 7 | 8 | |
| RATE | 92 | 44 | | | | | | | (0 ~ 99) |
| LEVEL | 80 | 00 | | | | | | | (0 ~ 99) |
| SUS/END | | END | | | | | | | |

DCA 1

| L | KEY FOLLOW | |
|---|------------|---------|
| | 3 | (0 ~ 9) |

| E N V (AMP) | | | | | | | | |] |
|-------------|----|----|-----|---|---|---|---|---|----------|
| STEP | -1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 99 | 33 | 42 | | | | | | (0 - 99) |
| LEVEL | 99 | 00 | 00 | | | | | | (0 – 99) |
| SUS/END | | | END | | | | | | |

DCA 2

| KEY FOLLOW | |
|------------|--------|
| 3 | (0 - 9 |

| E N V (AMP) | | | | | | | | | |
|-------------|----|----|-----|---|---|---|---|---|----------|
| STEP | -1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| HATE | 99 | 33 | 86 | | | | | | (0 - 99) |
| LEVEL | 99 | 00 | 00 | | | | | | (0 - 99) |
| SUS/END | | | END | | | | | | |

COMMENT

Jazz-like timbre.

LINE SELECT

1 + 1'

(1,2,1+2',1+1')

DCO 1

FIRST

1

 $(1 \sim 8)$

STEP

RATE

LEVEL

SUS/END

DCW 1

KEY FOLLOW

3

STEP

RATE

LEVEL

SUS/END

WAVE FORM

SECOND

0

(0 - 8)

99

74

2

85

00

END

 $(0 \sim 9)$

95

99

2

99

25

RING

ON

TONE NAME CARTRIDGE NO. TONE NO. **GUITAR** MODULATION DETUNE **VIBRATO OCTAVE** FINE NOISE +/- OCTAVE NOTE WAVE DEPTH DELAY RATE RANGE +1-**OFF** 05 + 1 07 01 1 69 54 0 (ON/OFF) (+1-) (0 - 11)(0 - 60)(1 - 4) $(0 \sim 99)$ (0 - 3)(0 - 99) $(0 \sim 99)$ (0 - 1)(+l-)DCO₂ WAVE FORM SECOND FIRST $(1 \sim 8)$ (0 - 8)E 🛮 V (PITCH) E N V (PITCH) 8 6 STEP 4 8 $(0 \sim 99)$ RATE (0 - 99)(0 - 99)LEVEL (0 - 99)SUS/END DCW 2 KEY FOLLOW (0 - 9)E N V (WAVE) E N V (WAVE) 3 4 5 5 8 STEP 6 8 99 28 $(0 \sim 99)$ RATE (0 - 99)50 00 $(0 \sim 99)$ LEVEL (0 - 99)**END** SUS/END DCA 2 KEY FOLLOW (0 - 9)

DCA₁

KEY FOLLOW 2 (0 - 9)

| E N V (AMP) | | | | | | | | | | |
|-------------|----|----|-----|---|---|---|---|---|----------|--|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | |
| RATE | 90 | 25 | 72 | | | | | | (0 - 99) | |
| LEVEL: | 99 | 00 | 00 | | | | | | (0 – 99) | |
| SUS/END | | | END | | | | | | | |

| E N V (AMP) | | | | | | | | | |
|-------------|---|---|---|---|---|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | | | | | | | | | (0~99) |
| LEVEL | | | | | | | | | (0 - 99) |
| SUS/END | | | | | | | | | 1 |

COMMENT Suitable for slow, classical selections.

TONE NAME CARTRIDGE NO. TONE NO. **ELEC. GUITAR 2**

PARAMETER

| | MODULATION | | | | | |
|-----------------|------------|-------|--|--|--|--|
| LINE SELECT | RING | NOISE | | | | |
| 1+1' | OFF | OFF | | | | |
| (1,2,1+2',1+1') | (ON/OFF) | | | | | |

| DETUNE | | | | | | | | |
|--------|---------|----------|----------|--|--|--|--|--|
| +1- | OCTAVE | NOTE | FINE | | | | | |
| + | 0 | 00 | 00 | | | | | |
| (+I-) | (0 - 3) | (0 - 11) | (0 - 60) | | | | | |

| | VIBR | ATO | | 0 |
|---------|----------|----------|----------|-------|
| WAVE | DELAY | RATE | DEPTH | +1- |
| 1 | 65 | 52 | 15 | + |
| (1 ~ 4) | (0 ~ 99) | (0 - 99) | (0 - 99) | (+7-) |

| 00 | OCTAVE | | | | | | |
|-----|--------|--|--|--|--|--|--|
| +1- | RANGE | | | | | | |
| + | 0 | | | | | | |

DCO 1

| WAVE FORM | | | | | | | |
|-----------|---------|--|--|--|--|--|--|
| FIRST | SECOND | | | | | | |
| 3 | 4 | | | | | | |
| (1 - B) | (0 - 8) | | | | | | |

| E N V (PITCH) | | | | | | | | | |
|---------------|----|----|----|----|----|----|----|-----|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | (0 - 99) |
| LEVEL | 66 | 00 | 66 | 00 | 66 | 00 | 66 | 00 | (0 - 99) |
| SUS/END | | - | - | | | | | END | ĺ |

2

DCO₂

| WAVE FORM | | | | | | | |
|-----------|--|--|--|--|--|--|--|
| SECOND | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| 40 00 | | | | | | | |
| | | | | | | | |

| | | Ë | ■ V | (PITCI | H) | | | | 1 |
|---------|---|---|-----|--------|----|---|---|---|--------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | | | | | | | | | (0 - 9 |
| LEVEL | | | | | | | | | (0 - 8 |
| SUS/END | | | | | | | | | 1 |

DCW 1

| KEY FOLLOW | |
|------------|---------|
| 6 | (0 ~ 9) |

| | E N V (WAVE) | | | | | | | | | |
|---------|--------------|----|----|----|----|----|-----|---|----------|--|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | |
| RATE | 99 | 82 | 99 | 82 | 99 | 23 | 50 | | (0 - 99) | |
| LEVEL | 70 | 99 | 70 | 99 | 85 | 00 | 00 | | (0 - 99) | |
| SUS/END | | | | | | | END | | | |

DCW 2

| KEY FOLLOW | |
|------------|---------|
| | (0 ~ 9) |

| | | Е | ■ ∨ | (WAVI | Ξ) | | | |
|---------|---|---|------------|-------|----|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 7 | 8 | |
| PIATE | | | | | | | | (0~99) |
| LEVEL | | | | | | | | (0 - 99) |
| SUS/END | | | | | _ | | | |

DCA 1

| KEY FOLLOW | |
|------------|---------|
| 4 | (0 – 9) |

| E N V (AMP) | | | | | | | | | | | |
|-------------|----|----|----|----|-----|----|-----|---|----------|--|--|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | | |
| RATE | 99 | 95 | 99 | 80 | 20 | 58 | 65 | | (0 - 99) | | |
| LEVEL | 62 | 99 | 82 | 99 | 75 | 51 | 00 | | (0 ~ 99) | | |
| SUS/END | | | | | SHS | | END | | ì | | |

DCA 2

| KEY | FOLLOW | |
|--------|---------------|------------|
| 1100.1 | 1 0 1 1 0 1 1 | ł |
| | | 1 |
| | | (0 - 9) |
| | | \ <i>r</i> |
| | | |

| | | E | E III V | (AMP |) | | | | |
|---------|---|---|---------|------|---|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | | | | | | | | | (0 - 99) |
| LÉVEL | | | | | | | | | (0 - 99) |
| SUS/END | | | | | | | | | |

COMMENT Picking effect produced by pitch envelope.

TONE NAME CARTRIDGE NO. TONE NO. **ELEC. GUITAR 3**

PARAMETER

| | MODUI | ATION | |
|-----------------|-------|-------|--|
| LINE SELECT | RING | NOISE | |
| 1+2' | OFF | OFF | |
| (1,2,1+2',1+1') | (ON) | OFF) | |

| | DETUNE | | | | | | | | | | |
|-------|--------|--------|----------|--|--|--|--|--|--|--|--|
| +/- | OCTAVE | NOTE | FINE | | | | | | | | |
| _ | 1 | 00 | 03 | | | | | | | | |
| {+/-} | (0-3) | {0-11} | (0 - 60) | | | | | | | | |

| | VIBR | | OC | TAVE | | |
|--------------|------------------|----------|----------|------|----|---------|
| WAVE | DELAY RATE DEPTH | | | | | RANGE |
| 1 | 00 | 50 00 | | + | - | 1 |
| (1-4) {0~99} | | (0 ~ 99) | (0 - 99) | (+) | -) | (0 ~ 1) |

DCO 1

| WAVE | FORM |
|---------|---------|
| FIRST | SECOND |
| 4 | 5 |
| (1 - 8) | (0 - 8) |

| ******* | E N V (PITCH) | | | | | | | | | | | | |
|---------|---------------|-----|---|---|---|---|---|---|-----------------------|--|--|--|--|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | | | | |
| RATE | 82 | 95 | | | | | | | (0 ~ 99) | | | | |
| LEVEL | 69 | 00 | | | | | | Î | (0 ~ 9 9) | | | | |
| SHE/END | | END | | | | | | | | | | | |

DCO 2

| WAVE FORM | | | | | | | |
|-----------|--------|--|--|--|--|--|--|
| FIRST | SECOND | | | | | | |
| 4 | 0 | | | | | | |
| (1 ~ 8) | (0-8) | | | | | | |

| | E N V (PITCH) | | | | | | | | | | | | |
|---------|---------------|-----|---|---|---|---|---|---|----------|--|--|--|--|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | | | | |
| RATE | 71 | 71 | | | | | | | (0 ~ 99) | | | | |
| LEVEL | 64 | 00 | | | | | | | (0~99) | | | | |
| SUS/END | | END | | | | | | | 1 | | | | |

DCW 1

| KEY FOLLOW | |
|------------|-------|
| 0 | (0-9) |

| E N V (WAVE) | | | | | | | | | | | | |
|--------------|----|-----|---|---|---|---|---|---|----------|--|--|--|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | | | |
| RATE | 92 | 26 | | | | | | | (0 - 99) | | | |
| LEVEL | 91 | 00 | | | | | | | (0 ~ 99) | | | |
| SUS/END | | END | | | | | | | | | | |

DCW 2

| | | E N V (WAVE) | | | | | | | | |
|---|---------|--------------|-----|---|---|---|---|---|---|--------|
| | STEP | - 5 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| | PATE | 88 | 38 | | | | | | | (0 ~ 1 |
| | LEVEL | 82 | 00 | | | | | | | (0 ~ ! |
| ĺ | SUS/END | | END | | | | | | | 1 |

DCA 1

| KEY FOLLOW | |
|------------|---------|
| 0 | (0 ~ 9) |

| E N V (AMP) | | | | | | | | | |
|-------------|----|----|------|---|---|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 99 | 27 | 73 | | | | | | (0~99) |
| LEVEL | 99 | 27 | 00 | | | | | | (0 – 99) |
| CURTENID | | | ENID | | | | | | 1 |

DCA 2

| KEY FOLLOW | |
|------------|---------|
| 0 | (0 - 9) |

| E N V (AMP) | | | | | | | | | |
|-------------|----|-----|-----|---|---|---|---|---|---------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 99 | 39 | 99 | | | | | | (0 – 98 |
| LEVEL | 99 | 92 | 00 | | | | | | (0 - 99 |
| SUS/END | | SUS | END | | | | | | |

COMMENT Realistic feedback sound.

TONE NAME CARTRIDGE NO. TONE NO. ELEC. BASS 1 PARAMETER MODULATION VIBRATO DETUNE **OCTAVE** RING NOISE +/- OCTAVE NOTE DELAY +/- RANGE LINE SELECT FINE WAVE RATE DEPTH 1 + 1'ON OFF 0 07 1 55 +04 33 23 0 (1,2,1+2',1-1') (ON/OFF) (0 - 3) $(0 \sim 11)$ (0 - 60)(0 - 99)(+1-) $\{1 - 4\}$ (0 - 99)(0 - 99)(+/-) (0 - 1)DCO 2 DCO₁ WAVE FORM WAVE FORM FIRST SECOND SECOND FIRST 2 3 (1 - 8)(0 - 6)(8 - 0)(1 - 8)E N V (PITCH) E N V (PITCH) STEP 1 2 3 6 8 STEP 2 3 4 6 8 RATE 50 $(0 \sim 99)$ RATE $(0 \sim 99)$ 00 LEVEL LEVEL $(0 \sim 99)$ (0 - 99)SUS/END END SUS/END DCW 1 DCW 2 KEY FOLLOW KEY FOLLOW 7 (0 - 9)■ N V (WAVE) ■ V (WAVE) STEP 2 STEP 1 3 4 6 7 8 2 3 4 7 8 6 RATE 97 43 50 52 $\{0 - 99\}$ RATE (0 - 99)LEVEL 99 79 74 00 $\{0 - 99\}$ LEVEL (0 - 99)SUS/END SUS END SUS/END DCA 1 DCA 2 KEY FOLLOW KEY FOLLOW 0 $(0 \sim 9)$ (0 - 9)E N V (AMP) E ■ V (AMP) STEP 2 3 STEP 1 6 8 6 8 99 21 RATE 61 (0 - 99)RATE $(0 \sim 99)$

COMMENT Hard timbre.

00

SUS END

00

LEVEL

SUS/END

99

(0 - 99)

LEVEL

SU\$/END

(0 - 99)

TONE NAME CARTRIDGE NO. TONE NO.

PARAMETER

| | MODULATION | | | | |
|---------------------|------------|-------|--|--|--|
| LINE SELECT | RING | NOISE | | | |
| 1+1' | OFF | OFF | | | |
| (1.2.1 + 2'.1 + 1') | (ON/ | OFF) | | | |

| | DETUNE | | | | | | | | | | |
|-------|--------|--------|----------|--|--|--|--|--|--|--|--|
| +/- | OCTAVE | NOTE | FINE | | | | | | | | |
| + | 0 4 | 00 | 02 | | | | | | | | |
| (+1-) | (0-3) | (0~11) | (0 ~ 60) | | | | | | | | |

| | 0 | CTAVE | | | |
|---------|---------------|----------|----------|-------|---------|
| WAVE | DELAY | RATE | DEPTH | + f - | RANGE |
| 1 | 00 | 50 | 00 | | 1 |
| (1 - 4) | $(0 \sim 99)$ | (0 - 99) | (0 - 99) | (+/-) | (0 - 1) |

1

DCO 1

| WAVE FORM | | | | | |
|-----------|---------|--|--|--|--|
| FIRST | SECOND | | | | |
| 1 | 4 | | | | |
| (1-8) | (0 - 8) | | | | |

| | | E | N V | (PITCI | H) | | | | 1 |
|---------|----|-----|-----|--------|----|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | - |
| RATE | 99 | 70 | 99 | 00 | | | | | (0 - 99) |
| LEVEL | 66 | 00 | 66 | 00 | | | | | {0 ~ 99} |
| SUS/END | | SUS | | END | | | | | |

2

DCO 2

| WAVE FORM | | | | | | |
|-----------|---------|--|--|--|--|--|
| FIRST | SECOND | | | | | |
| | | | | | | |
| | | | | | | |
| (1 ~ 8) | (0 ~ 8) | | | | | |

| | | E | | (PITCI | H) | | | | 1 |
|---------|---|---|---|--------|----|---|---|---|------|
| STEP | 1 | 2 | 3 | 4 | 5 | В | 7 | 8 | |
| RATE | | | | | | | | | (0 ~ |
| LEVEL | | | | | | | | | (0 - |
| SUS/END | | | - | | | | - | | |

DCW 1

| KEY FOLLOW | |
|------------|---------|
| | (0 ~ 9) |

| E_N_V (WAVE) | | | | | | | | | |
|--------------|----|-----|----|-----|----|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | _5 | 6 | 7 | 8 | |
| RATE | 99 | 65 | 99 | 70 | | | | | (0 – 99) |
| LEVEL | 99 | 45 | 99 | 00 | | | | | (0 - 99) |
| SUS/END | | SUS | | END | | | | | |

DCW 2

| KEY FOLLOW | |
|------------|---------|
| | (0 - 9) |

| | | E | NV | (WAV | E) | | | |] |
|---------|---|---|----|------|-----|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | _ 5 | 6 | 7 | 8 | |
| RATE | | | | | | | | | (0 ~ 99) |
| LEVEL | | | | | | | | | (0 - 99) |
| SUS/END | | | | | | | | | |

DCA 1

| KEY FOLLOW | |
|------------|---------|
| 9 | (0 ~ 9) |

| | | - | E N V | (AMP |) | | | | |
|---------|----|-----|-------|------|---|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 99 | 76 | 99 | 65 | | | | | (0 ~ 99) |
| LEVEL | 99 | 70 | 99 | 00 | | | | | (0 – 99) |
| SUS/END | | SUS | | END | | | | | |

DCA II

| KEY | FOLLOW | |
|-----|--------|---------|
| | | /B 81 |
| | | (0 ~ 9) |
| | | |

| E N V (AMP) | | | | | | | | | | |
|-------------|-----|---|---|---|---|---|---|---|--------|--|
| STEP | 1.1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | |
| HATE | | | | | | | | | (0~99) | |
| LEVEL | | | | | | | | | (0~99) | |
| SUS/END | | | | | | | | | | |

COMMENT

Sound 1 octave higher generated when keyboard released. Chopper bass easily produced.

CARTRIDGE NO. TONE NO. TONE NAME SYNTH. BASS 2 **PARAMETER** VIBRATO OCTAVE MODULATION DETUNE +/- RANGE +/- OCTAVE WAVE DELAY RATE DEPTH FINE LINE SELECT RING NOISE NOTE OFF 1 07 05 1 33 23 06 1 1 + 1'ON +(0 - 99)(0 - 99)(1,2,1+2',1+1')(ON/OFF) (+l-) (0-3)(0 - 11)(0 - 60)(1 - 4) $(0 \sim 99)$ (+/-)(0 - 1)DCO 1 **DCO 2** WAVE FORM WAVE FORM FIRST SECOND FIRST SECOND 4 3 (1 - 8)(0 - 8) $(8 \sim 0)$ E V (PITCH) E N V (PITCH) STEP STEP 2 3 4 5 6 8 1 2 3 4 5 6 8 50 $(0 \sim 99)$ RATE (0 - 99)RATE LEVEL 00 LEVEL (0 - 99)(0 - 99)SUS/END END SUS/END DCW 1 DCW 2 KEY FOLLOW KEY FOLLOW (0 - 9) $(0 \sim 9)$ E V (WAVE) E N V (WAVE) STEP 2 3 5 6 8 STEP 2 3 4 5 6 8 RATE 97 47 53 50 (0 - 99)RATE (0 - 99)LEVEL (0 - 99)LEVEL 99 84 00 00 (0 - 99)SUS/END SUS/END SUS END DCA 2 DCA 1 KEY FOLLOW KEY FOLLOW 9 (0 - 9) $\{0 \sim 9\}$ E N V (AMP) ENV(AMP) STEP 2 6 7 8 3 4 5 6 8 STEP 3 4 99 RATE $(0 \sim 99)$ RATE 19 56 (0 - 99)99 LEVEL (0 - 99)LEVEL 00 00 $(0 \sim 99)$

COMMENT Deep reverberation.

SUS END

SUS/END

SUS/END

TONE NAME CARTRIDGE NO. TONE NO. SYNTH. BASS 3

PARAMETER

| | MODU | LATION | |
|-------------|------|--------|--|
| LINE SELECT | RING | NOISE | |
| | | OFF | |
| 1+1' | OFF | OFF | |

| | DE | TUNE | |
|-----|---------|----------|----------|
| +/- | OCTAVE | NOTE | FINE |
| + | 0 | 00 | 00 |
| | (0 - 3) | (0 ~ 11) | (0 ~ 60) |

| | VIBR | ATO | | 00 | CTAVE |
|---------|----------|----------|----------|-------|---------|
| WAVE | DELAY | RATE | DEPTH | +1- | RANGE |
| 1 | 54 | 50 | 20 | - | 1 |
| (1 ~ 4) | (0 - 99) | (0 ~ 99) | (0 ~ 99) | (+/-) | (0 ~ 1) |

1

DCO 1

| WAVE | FORM |
|-------|---------|
| FIRST | SECOND |
| 3 | 4 |
| (1 8) | (0 - 8) |

| E ■ V (PITCH) | | | | | | | | | | | |
|---------------|----|-----|---|---|---|---|---|---|--------|--|--|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | | |
| RATE | 99 | 55 | | | | ! | | | (0-99) | | |
| LEVEL | 64 | 00 | | | | | | | (0~99) | | |
| SUS/END | | END | | | | | | | | | |

2

_

| WAVE | FORM |
|-------|---------|
| FIRST | SECOND |
| | |
| | |
| | |
| (1-8) | (0 - 8) |

DCO 2

| | | E | N V | (PITCI | H) | | | | |
|---------|-----|---|-----|--------|----|---|----|---|--------|
| STEP | . 1 | 2 | 3 | 4 | 5 | 6 | 7_ | 8 | |
| RATE | | | | | | | | | (0~99) |
| LEVEL | | | | | | | | | (0 99) |
| SUS/END | | | | | | | | | |

DCW 1

| KEY | FOLLOW | |
|-----|--------|---------|
| | N . | (0 - 9) |

| | | Е | N V | (WAVE |) | | | | |
|---------|----|----|-----|-------|---|---|---|---|----------|
| STEP | 1 | 2_ | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 91 | 62 | 45 | 58 | | | | | (0 - 99) |
| LEVEL | 81 | 78 | 24 | 00 | | | | | (0 - 99) |
| SUS/END | | - | SUS | END | | | | |] |

DCW 2

| KEY 8 | OLLOW | |
|-------|-------|---------|
| | | (0 - 9) |

| | | E | N V | (WAVE | Ξ) | | | | Ì |
|---------|---|---|-----|-------|----|---|---|---|------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | | | | | | i | | | (0 ~ |
| LEVEL | | | | | | | | | (0 ~ |
| SUS/END | | | | | Ĺ | | | | |

DCA 1

| KEY FOLLOW | |
|------------|-------|
| 9 | (0-9) |

| E N V (AMP) | | | | | | | | | |
|-------------|----|------|-----|---|---|---|---|---|----------|
| STEP | 1 | 2 _ | 3 | 4 | 5 | 8 | 7 | В | |
| RATE | 99 | 36 | 52 | | | | | | (0 - 99) |
| LEVEL | 99 | 00 | 00 | | | | _ | | (0 - 99) |
| CHOICNE | _ | CLIC | END | | | | | | |

DCA 2

| KEY FOLLOW |] |
|------------|--------|
| | (0 ~ 5 |

| | E N V (AMP) | | | | | | | | |
|---------|-------------|---|---|---|---|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | | | | | | | | | (0 ~ 99) |
| LEVEL | | | | | | | | | (0~99) |
| SUS/END | | | | | | | | | |

COMMENT Envelope similar to that of wood bass.

PARAMETER

OFF

LINE SELECT

1+1'

(1,2.1+2',1+1')

DCO₁

FIRST

3

 $(1 \sim 8)$

STEP

RATE

LEVEL

SUS/END

DCW 1

KEY FOLLOW

2

STEP

RATE

LEVEL

SUS/END

WAVE FORM

SECOND

П

(0 ~ B)

03

01

2

45

20

 $(0 \sim 9)$

99

99

2

97

30

TONE NO. TONE NAME CARTRIDGE NO. SITAR 1 OCTAVE DETUNE VIBRATO MODULATION RATE DEPTH ÷/− RANGE +/- OCTAVE NOTE WAVE DELAY RING NOISE FINE 1 1 00 03 04 +07 00 OFF + 1 (+l-) (0-1)(0 - 99) $(0 \sim 99)$ (0 - 99) $(0 \sim 11)$ (0 - 60)(1 - 4)(+l-) (0-3)(ON/OFF) DCO 2 WAVE FORM SECOND FIRST (1 - 8)(0 - 0)E ■ V (PITCH) E N V (PITCH) 5 6 8 STEP 3 3 6 (0 - 99)RATE (0 - 99)40 $(0 \sim 99)$ LEVEL 00 $(0 \sim 99)$ SUS/END END DCW 2 KEY FOLLOW (0 - 9)E N V (WAVE) E N V (WAVE) 5 6 8 3 STEP В 3 4 5 6 (0 - 99) $(0 \sim 99)$ RATE 35 13 (0 - 99) $\{0 \sim 99\}$ LEVEL 99 00 SUS/END END DCA 2 KEY FOLLOW

DCA 1

KEY FOLLOW 2 (0 - 9)

| E ■ V (AMP) | | | | | | | | | |
|-------------|----|----|-----|---|----|---|---|---|----------|
| STEP | 1 | 2 | 3_ | 4 | 5_ | 6 | 7 | 8 | |
| RATE | 99 | 30 | 20 | | | | | | (0~99) |
| LEVEL | 99 | 80 | 00 | | | | | | (0 ~ 99) |
| SUS/END | _ | | END | | | | | |] |

 $\{0 - 9\}$

| | | | E N V | (AMP |) | | | | |
|---------|---|---|-------|------|---|---|---|----|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | -8 | |
| RATE | | | | | | | | | (0 ~ 99) |
| LEVEL | | | | | | | | | (0~99) |
| SUS/END | | | _ | | | | | | } |

Hard timbre. Pitch varies when key is held down. COMMENT

RATE

LEVEL

SUS/END

99

99

30

80

20

00

END

TONE NAME CARTRIDGE NO. TONE NO. SITAR 2 PARAMETER MODULATION DETUNE VIBRATO **OCTAVE** WAVE DELAY DEPTH LINE SELECT RING NOISE OCTAVE NOTE FINE RATE RANGE 0 1 1 + 1'OFF OFF + 00 09 1 00 03 04 +1 (ON/OFF) (0 - 11)(0 - 60) $(1 \sim 4)$ $(0 \sim 99)$ (0 - 99) $(0 \sim 99)$ (+/-)(0 - 1)DCO₂ DCO₁ WAVE FORM WAVE FORM SECOND FIRST SECOND FIRST 8 3 (1 - 8)(0 - 8) $(0 \sim 8)$ $(1 \sim 8)$ E N V (PITCH) E N V (PITCH) STEP 2 5 6 8 STEP 3 6 8 3 5 RATE 03 45 40 $(0 \sim 99)$ RATE $\{0 - 99\}$ LEVEL 01 20 00 LEVEL (0 - 99)(0 - 99)END SUS/END SUS/END DCW 2 DCW 1 KEY FOLLOW KEY FOLLOW $(0 \sim 9)$ 2 $(0 \sim 9)$ E N V (WAVE) E N V (WAVE) 2 STEP 2 6 8 STEP 3 4 5 6 7 8 1 3 4 RATE 99 13 (0 - 99)(0 - 99)RATE 97 35 99 99 00 (0 - 99)LEVEL $(0 \sim 99)$ LEVEL 30 SUS/END END SUS/END DCA₁ DCA 2 KEY FOLLOW KEY FOLLOW (0 - 9) (0 - 9)2 ■ N V (AMP) ENV(AMP) STEP 8 STEP 6 6

COMMENT Softer than SITAR 1. Continuing to press key changes pitch.

 $(0 \sim 99)$

(0 - 99)

RATE

LEVEL

\$U\$/END

(0 - 99)

(0 - 99)

TONE NAME CARTRIDGE NO. TONE NO. SYNTH. SHAMISEN

PARAMETER

| | | _ |
|-----------------|-------|-------|
| | MODUL | ATION |
| LINE SELECT | RING | NOISE |
| 1+1' | ON | OFF |
| (1,2,1+2',1+1') | (ON/ | OFF) |

| | DETUNE | | | | | | | |
|----------------------|---------|----------|---------------|--|--|--|--|--|
| +/- OCTAVE NOTE FINE | | | | | | | | |
| + | 1 | 09 | 00 | | | | | |
| 1+1-1 | (0 ~ 3) | (0 ~ 11) | $(0 \sim 60)$ | | | | | |

| | 00 | CTAVE | | | |
|---------|--------|----------|----------|-------|-------|
| WAVE | DELAY | RATE | DEPTH | +1- | RANGE |
| 1 | 22 | 53 | 15 | + | 1 |
| (1 ~ 4) | (0~99) | (0 - 99) | (0 - 99) | (+1-) | (0-1) |

1

DCO 1

| WAVE FORM | | | | | |
|-----------|--------|--|--|--|--|
| FIRST | SECOND | | | | |
| 2 | 4 | | | | |
| | | | | | |

| | | | ⊪ V | (PITCI | H) | | | | |
|---------|----|-----|-----|--------|----|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 99 | 99 | | | | | | | (0 - 99) |
| LEVEL | 73 | 00 | | | | | | | (0 - 99) |
| SUSTEND | | END | | | | | | | |

2

DCO 2

| WAVE | FORM |
|-------|--------|
| FIRST | SECOND |
| | |
| | |
| | |

| -{1 | ~ B) | (0 - 8) |
|-----|------|---------|

| | | E | ΝV | (PITCI | H) | | | | |
|---------|---|---|----|--------|----|---|---|---|--------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |] |
| RATE | | | | | , | | | | (0 ~ 9 |
| LEVEL | | | | | | | | | (0~8 |
| SUS/END | | | | | | | | |] |

DCW 1

| KEY FOLLOW | |
|------------|---------|
| 0 | (0 - 9) |

| | | Е | ■ V | (WAV | E) | | | | |
|---------|----|----|-----|------|----|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 99 | 10 | 10 | | | | | | (0 - 99) |
| LEVEL | 15 | 20 | 00 | | | | | | (0~99) |
| SUS/END | | | END | | | Ĺ | | | |

DCW 2

| KEY | FOLLOW | |
|-----|--------|---------|
| | | (0 - 9) |

| E N V (WAVE) | | | | | | | | | | | |
|--------------|---|---|---|---|---|---|---|---|----------|--|--|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | | |
| RATE | | | | | | | | | (0 ~ 99) | | |
| LEVEL | | | | | | | | | (0 - 99) | | |
| SUS/END | | | | | | | | | | | |

DCA 1

| KEY FOLLOW | |
|------------|---------|
| 3 | (0 ~ 9) |

| | | | ENV | (AMP |) | | | |
|---------|----|----|-----|------|---|---|---|--------|
| STEP | 1 | 2 | 3 | 4 | | 7 | 8 | |
| RATE | 99 | 65 | 46 | | | | | (0 ~ 9 |
| LEVEL | 99 | 90 | 00 | | | | | (0~9 |
| SUS/END | | | END | | | | | |

DCA 2

| KEY FOLLOW | |
|------------|--------|
| | {0 - 9 |

| | | E | E N V | (AMP |) | | | | |
|---------|---|---|-------|------|---|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | | | | | | | | | (0 ~ 99) |
| LEVEL | | | | | | | | | (0 - 99) |
| SUS/END | | | | | | | | | |

COMMENT , Comical touch.

TONE NAME CARTRIDGE NO. TONE NO. SYNTH, KOTO **PARAMETER** MODULATION DETUNE VIBRATO **OCTAVE** LINE SELECT NOISE +/- OCTAVE, NOTE FINE WAVE DELAY RING RATE DEPTH +/- RANGE 1 + 1ON OFF + 1 00 05 1 45 50 07 + 1 (+/-) (1,2,1+2',1+1')(ON/OFF) (+/-) (0-3)(0 - 11) $(0 \sim 60)$ $(1 \sim 4)$ (0 - 99)(0 - 99)(0 - 99)(0 - 1)DCO 1 DCO 2 WAVE FORM WAVE FORM SECOND FIRST FIRST SECOND 1 4 (1 - 8) $(0 \sim 8)$ $(1 - \theta)$ $\{0 - B\}$ E N V (PITCH) E # V (PITCH) STEP 3 6 8 STEP 2 3 4 6 В RATE 50 (0 - 99)RATE $(0 \sim 99)$ 00 (0 - 99)LEVEL LEVEL (0 - 99)SUS/END END SUS/END DCW 1 DCW 2 KEY FOLLOW KEY FOLLOW 9 $(0 \sim 9)$ (0 - 9)E N V (WAVE) ■ V (WAVE) STEP 5 6 STEP 6 8 3 4 RATE 99 50 (0 - 99)RATE $(0 \sim 99)$ LEVEL 61 00 (0 - 99)LEVEL (0 - 99)SUS/END END SUS/END DCA 2 DCA₁ KEY FOLLOW KEY FOLLOW (0 - 9)(0 - 9)3 E N V (AMP) E N V (AMP) STEP STEP 2 4 5 6 7 8 2 3 4 6 7 8 3 5 HATE 99 80 35 PATE (0 - 99)(0 - 99)00 LEVEL LEVEL 99 90 (0 - 99)(0 - 99)END SUS/END SUS/END

COMMENT RING MODULATION applied for reverberated sound of silk strings.

CARTRIDGE NO. TONE NO. TONE NAME **HUMAN VOICE 2**

PARAMETER

| | MODULATION | | | | |
|-----------------|------------|-------|--|--|--|
| LINE SELECT | RING | NOISE | | | |
| 1+2' | OFF | ÓFF | | | |
| {1,2,1-2',1+1'} | (ON/OFF) | | | | |

| DETUNE | | | | | | | | | |
|--------|---------|----------|----------|--|--|--|--|--|--|
| +1- | OCTAVE | NOTE | FINE | | | | | | |
| + | 1 | 00 | 10 | | | | | | |
| (+/-) | (0 - 3) | (0 ~ 11) | (0 ~ 60) | | | | | | |

| | VIBR | 00 | CTAVE | | |
|-------|----------|----------|----------|-------|-------|
| WAVE | DELAY | RATE | DEPTH | +1- | RANGE |
| 1 | 24 | 54 | 20 | | 1_ |
| (1-4) | (0 - 99) | (0 ~ 99) | (0 - 99) | (+/-) | (0~1) |

1

DCO 1

| WAVE FORM | | | | | | | |
|-----------|--------|--|--|--|--|--|--|
| FIRST | SECOND | | | | | | |
| 1 | 0 | | | | | | |
| (1 - 8) | (0-8) | | | | | | |

| | | E | N V I | PITCH | 1) | | | | |
|----------|----|------|-------|-------|----|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 99 | 40 | 00 | | | | | | (0 – 99) |
| LEVEL. | 65 | 66 | 00 | | | | | | (0 – 99) |
| CHEVENID | | 9119 | ENO | | | | | | |

2

DCO 2

| WAVE FORM | | | | | |
|-----------|---------|--|--|--|--|
| FIRST | SECOND | | | | |
| 1 | 0 | | | | |
| (1 ~ 8) | (0 - 8) | | | | |

| | | | N V | (PITCI | 1) | | | | |
|---------|-----|---|-----|--------|----|---|---|----|--------|
| STEP | 1 | 2 | 3 | 4 | 5 | Б | 7 | 8_ | |
| RATE | 50 | | | | | | | | (0 ~ 9 |
| LEVEL | 00 | | | | | | | | (0 ~ 9 |
| SUS/END | END | | | | | | | | |

DCW 1

| KEY FOLLOW | |
|------------|---------|
| 0 | (0 ~ 9) |

| | | E | N V | (WAVI | E) | | | | |
|---------|-----|---|-----|-------|----|---|---|---|---------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| HATE | 99 | | | | | | | | (0 ~ 9) |
| LEVEL | 00 | | | | | | | | (0 ~ 9 |
| SUS/END | END | | | Γ | | | | | |

DCW 2

| KEY FOLLOW | |
|------------|--------|
| 4 | (0 - 9 |

| | | E | N V | (WAVI | =) | | | | 1 |
|---------|----|-----|-----|-------|----|---|---|---|------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | В | |
| RATE | 46 | 35 | 54 | | | _ | | | (0 - |
| LEVEL | 65 | 20 | 00 | | | | | | (0 - |
| SUS/END | | SUS | END | | | | | | |

DCA 1

| KEY FOLLOW | |
|------------|---------|
| 0 | (0 - 9) |

| | | | E N V | (AMP |) | | | | |
|---------|----|-----|-------|------|---|---|---|---|---------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 59 | 21 | 31 | 60 | | | | | (0 - 99 |
| LEVEL | 99 | 74 | 75 | 00 | | | | _ | (0 ~ 99 |
| SUS/END | | SUS | | END | | | | | |

DCA 2

| KEY FOLLOW | |
|------------|--------|
| 0 | (0 – 9 |

| | | E | E N V | (AMP | } | | | | |
|---------|----|----|-------|------|---|---|---|---|--------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 67 | 21 | 12 | 35 | | | | | (0~99) |
| LEVEL | 90 | 77 | 90 | 00 | | | | _ | (0~99) |
| SUS/END | | | SUS | END | | | | | |

Transparent human voice covering all ranges. COMMENT

TONE NAME CARTRIDGE NO. TONE NO. HUMAN VOICE 3

PARAMETER

| | MODULATION | | | | |
|-----------------|------------|-------|--|--|--|
| LINE SELECT | HING | NOISE | | | |
| 1+2' | OFF | OFF | | | |
| (1,2,1+2',1+1') | (ONA | OFFI | | | |

| | DETUNE | | | | | | | | |
|---------------|---------|----------|---------|--|--|--|--|--|--|
| +/- | OCTAVE | NOTE | FINE | | | | | | |
| + | 0 | 00 | 01 | | | | | | |
| $f \in I - 1$ | (0 - 3) | (A ≈ 14) | /n - em | | | | | | |

| VIBRATO | | | | | | | | |
|---------|---------------------|----------|--------|--|--|--|--|--|
| WAVE | AVE DELAY RATE DEPT | | | | | | | |
| 1 | 40 | 60 | 39 | | | | | |
| (1 ~ 4) | (0 - 99) | (0 - 99) | (0-99) | | | | | |

| | OCTAVE | | | | | | |
|---|--------|----------|--|--|--|--|--|
|] | +/- | RANGE | | | | | |
| | _ | 1 | | | | | |
| | (+1-) | (0 ~ 1). | | | | | |

1

DCO 1

| WAVE FORM | | | | | | |
|-----------|--------|--|--|--|--|--|
| FIRST | SECOND | | | | | |
| 8 | 0 | | | | | |
| 0 | 0 | | | | | |

| | | E | NV | (PITC | H) | | | | |
|---------|-----|----|-----|-------|----|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 60 | 00 | 50 | | | | | | (0 ~ 99) |
| LEVEL | 66 | 00 | 00 | | | | | | (0 ~ 99) |
| SUS/END | SUS | | END | | | | | | |

2

DCO 2

| WAVE FORM | | | | | |
|-----------|---------|--|--|--|--|
| FIRST | SECOND | | | | |
| 6 | 0 | | | | |
| (1 - 8) | (0 − B) | | | | |

| | | | E | N V | (PITCI | H) | | | | 1 |
|---|---------|-----|-----|-----|--------|----|---|---|---|----------|
| l | STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| | RATE | 60 | 50 | | | | | | | (0 ~ 99) |
| | LEVEL | 66 | 00 | | | | | | | (0 ~ 99) |
| Ì | SUS/END | SUS | END | | | | | | - | 1 |

DCW 1

| KEY | FOLLOW | |
|-----|--------|---------|
| | 6 | (0 – 9) |

| | | Е | N V | (WAV | E) | | | | 7 |
|---------|-----|----|-----|------|----|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 70 | 00 | 50 | | | | | | (0 ~ 99) |
| LEVEL | 24 | 00 | 00 | | | | | | (0 ~ 99) |
| SUS/END | SUS | | END | | | | | | 1 |

DCW 2

| KEY FOLLOW | |
|------------|---------|
| 5 | (0 ~ 9) |

| | | E | NV | (WAVE | Ξ) | | | |] |
|---------|-----|-----|----|-------|----|---|-----|---|----------|
| STEP | 1 | | 3 | 4 | 5 | 6 | . 7 | 8 | |
| RATE | 70 | 00 | | | | | | | (0 ~ 99) |
| LEVEL | 28 | 00 | | | | | | | (0 ~ 99) |
| SUS/END | SUS | END | | | | | | | |

DCA 1

| KEY FOLLOW | |
|------------|-------|
| | |
| 0 | (0~9) |

| | | | E N V | (AMP |) | | |] |
|---------|-----|----|-------|------|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | | 7 | 8 | 1 |
| RATE | 85 | 80 | 40 | 50 | | | | (0 - 99) |
| LEVEL | 99 | 40 | 00 | 00 | | | | (0-99) |
| SUS/END | SUS | | | END | | | 1 | |

DCA 2

| KEY FOLLOW | |
|------------|---------|
| 0 | (0 ~ 9) |

| | | | E N V | (AMP |) | |] |
|---------|-----|----|-------|------|---|-------|---------|
| STEP | 1 | | 3 | 4 | 5 | 7 | 1 |
| RATE | 85 | 80 | 50 | | | | (0~99 |
| LEVEL | 99 | 00 | 00 | | | | (0 - 99 |
| SUS/END | SUS | | END | | | ŕ | ĺ |

COMMENT

Electrically modified human voice.

TONE NO. CARTRIDGE NO. TONE NAME **HUMAN VOICE 4**

PARAMETER

| | MODUI | ATION |
|--------------------|-------|-------|
| LINE SELECT | RING | NOISE |
| 1+2' | OFF | OFF |
| 71.2.1 ± 25.1 ± 13 | (ON/ | OFF) |

| DETUNE | | | | | | |
|--------|---------|----------|----------|--|--|--|
| +1- | OCTAVE | NOTE | FINE | | | |
| + | 0 | 00 | 02 | | | |
| (-(-) | (0 ~ 3) | (0 - 11) | (0 - 60) | | | |

| | VIBR | Ö | CTAVE | | |
|---------|----------|----------|----------|-------|-------|
| WAVE | DELAY | RATE | DEPTH | +1- | RANGE |
| 1 | 50 | 55 | 25 | _ | 1 |
| (1 - 4) | (0 ~ 99) | (0 - 99) | (0 - 99) | (+/-) | (0~1) |

DCO 1

| WAVE | FORM |
|--------|--------|
| FIRST | SECOND |
| | 0 |
| 11 (0) | /n at |

| | | |
|---------|------|--------------|
| (1 - 8) | | $(8 \sim 0)$ |

| E ■ V (PITCH) | | | | | | | | | | |
|---------------|----------------------|----|----|----|----|----|----|-----|----------|--|
| STEP | STEP 1 2 3 4 5 6 7 8 | | | | | | | | | |
| RATE | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | (0 ~ 99) | |
| LEVEL | 02 | 00 | 02 | 00 | 02 | 00 | 02 | 00 | (0 - 99) | |
| SUS/END | | | | | | | | END | | |

DCO 2

| WAVE | FORM |
|---------|---------|
| FIRST | SECOND |
| 7 | 0 |
| (1 ~ B) | (0 ~ 8) |

| | | | | | | | | | | , |
|---|---------|-----|---|-----|--------|----|-----|---|---|----------|
| ı | | | Е | N V | (PITCI | H) | | | | |
| ĺ | STEP | 1 | 2 | 3 | 4 | 5 | - 6 | 7 | В | |
| İ | RATE | 50 | | | | | | | | (0~99) |
| | LEVEL | 00 | | | | | | | | (0 - 99) |
| | SUS/END | END | | | | | | | | |

DCW 1

| KEY | FOLLOW | |
|-----|--------|--------|
| | 9 | (0 - 9 |

| | (0 - 9) |
|--|---------|
|--|---------|

| E N V (WAVE) | | | | | | | | | |
|--------------|-----|-----|---|---|---|---|---|---|----------|
| STEP | _1_ | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 99 | 00 | | | | | | | (0 ~ 99) |
| LEVEL | 32 | 00 | | | | | | | (0 ~ 99) |
| SUS/END | SUS | END | | | | | | | |

DCW 2

| KEY FOLLOW | |
|------------|--------|
| 9 | {0 - 9 |

| | | 2 | N V | (WAV | Ξ) | | | | |
|---------|-----|-----|-----|------|----|---|---|---|--------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 99 | 00 | | | | | | | (0 - 9 |
| LEVEL | 38 | 00 | | | | | | | (0~9 |
| SUS/END | SUS | END | | | | | | | |

DCA 1

| KEY FOLLOW | |
|------------|---------|
| 0 | (0 ~ 9) |

| E N V (AMP) | | | | | | | | | | |
|-------------|----------------------|----|-----|--|--|--|---|--|----------|--|
| STEP | STEP 1 2 3 4 5 6 7 8 | | | | | | | | | |
| RATE | 75 | 80 | 50 | | | | _ | | (0~99) | |
| LEVEL | 99 | 00 | 00 | | | | | | (0 ~ 99) | |
| SUS/END | 2112 | | END | | | | | | | |

DCA 2

| KEY | FOLLOW | |
|-----|--------|------|
| | 0 | (0-9 |

| _ | | | - | E N V | (AMP |) | | | | |
|----|--------|-----|----|-------|------|---|---|---|---|------|
| | STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| | RATE | 75 | 80 | 50 | | | | | | (0-9 |
| (| LEVEL | 99 | 00 | 00 | | | | | | (0-9 |
| 31 | US/END | SUS | | END | | | | | | |

COMMENT Men's chorus from bass to tenor.

TONE NAME CARTRIDGE NO. TONE NO. **MUSIC BOX**

PARAMETER

| | MODUI | ATION | | | |
|-------------|----------|-------|--|--|--|
| LINE SELECT | RING | NOISE | | | |
| 1+2' | OFF | OFF | | | |
| | (ON/OFF) | | | | |

| DETUNE | | | | | | | | |
|--------|---------|--------|----------|--|--|--|--|--|
| +/- | OCTAVE | NOTE | FINE | | | | | |
| + 3 | | 10 | 03 | | | | | |
| (+1-) | (0 - 3) | (0-11) | (0 ~ 60) | | | | | |

| | 00 | OCTAVE | | | |
|------|-------|--------|-------|-----|-------|
| WAVE | DELAY | RATE | DEPTH | +/- | RANGE |
| 1 | 51 | 52 | 05 | + | 1 |
| | | | L | | |

DCO 1

| WAVE FORM | | | | | |
|--------------|---------|--|--|--|--|
| FIRST SECOND | | | | | |
| 1 | 0 | | | | |
| (1 - 8) | (8 ~ 0) | | | | |

| | | E | N V | (PITCI | H) | | | | |
|---------|-----|-----|-----|--------|----|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 99 | 00 | | | | | | | (0 - 99) |
| LEVEL | 66 | 00 | | | | | | | (0 – 99) |
| SUS/END | SUS | END | | | | | | | |

2

DCO 2

| WAVE FORM | | | | | | |
|-----------|---------|--|--|--|--|--|
| FIRST | SECOND | | | | | |
| 1 | 0 | | | | | |
| (1 ~ B) | (0 - 8) | | | | | |

| | | | NV | (PITCI | 4) | | | | |
|---------|-----|---|----|--------|----|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 50 | | | | | | | | (0 ~ 99) |
| TEAET | 00 | | | | | | | | (0 - 99) |
| SUS/END | END | | | | | | | | |

DCW 1

| KEY FOLLOW | |
|------------|---------|
| 0 | (0 - 9) |

| | | E | ■ V | (WAVI | E) | | | | |
|---------|-----|---|-----|-------|----|----|-----|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | -6 | . 7 | 8 | |
| RATE | 99 | | | | | | | | (0 - 99) |
| LEVEL | 00 | | | | | | | | (0 - 99) |
| SUS/END | END | | | | | | | | |

DCW 2

| KEY FOLLOW | |
|------------|---------|
| 4 | (0 - 9) |
| Ť | |

| E N V (WAVE) | | | | | | | | | |
|--------------|-----|-----|---|---|---|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| PATE | 99 | 24 | | | | | | | (0 ~ 99) |
| LEVEL | 76 | 00 | | | | | | | (0 ~ 99) |
| SUS/END | SUS | END | | | | | | | |

DCA 1

| KEY FOLLOW | 1 |
|------------|-------|
| 5 | (0-9) |

| E N V (AMP) | | | | | | | | | | | | | |
|-------------|----|------|-----|---|---|---|---|---|----------|--|--|--|--|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | | | | |
| RATE | 94 | 21 | 37 | | | | | | (0 - 99) | | | | |
| LEVEL | 99 | 00 | 00 | | | | | | (0 - 99) | | | | |
| SHS/END | | 2112 | END | | | | | | | | | | |

DCA 2

| KEY FOLLOW | |
|------------|--------|
| 3 | (0 ~ 9 |

| E ■ V (AMP) | | | | | | | | | | | |
|-------------|----|----|-----|-----|---|---|---|---|------|--|--|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | | |
| RATE | 99 | 56 | 38 | 46 | | | | | (0-9 | | |
| LEVEL | 74 | 28 | 00 | 00 | | | | | (0-9 | | |
| SUS/END | | | SUS | END | | | | | 1 | | |

COMMENT Turning NOISE MODULATION on produces toy music box effect.

TONE NAME CARTRIDGE NO. TONE NO. SYNTH. BLOCKS

PARAMETER

| | MODUL | ATION |
|-----------------|-------|-------|
| LINE SELECT | RING | NOISE |
| 1+2' | ON | ÓFF |
| (1,2,1+2',1-1') | (ON/ | OFF) |

| | DE | | |
|-------|---------|----------|----------|
| +/- | OCTAVE | NOTE | FINE |
| + | 0 | 08 | 30 |
| 141-3 | (0 - 3) | (0 - 11) | (0 = 60) |

| | VIBR | | 00 | CTAVE | | |
|---------|----------|----------|----------|-------|-------|---------|
| WAVE | DELAY | RATE | DEPTH | +. | /_ | RANGE |
| 1 | 00 50 | | 00 | - | + | 1 |
| (1 ~ 4) | (0 - 99) | (0 ~ 99) | (0 - 99) | (+: | / - j | (0 - 1) |

DCO 1

| WAVE | FORM |
|---------|---------|
| FIRST | SECOND |
| 2 | 0 |
| (1 - B) | (0 ~ 6) |

| | | | N V | (PITCI | ч) | | | |
|---------|-----|---|-----|--------|----|----|---|---|
| STEP | 1 | 2 | 3 | 4 | 5 | 6_ | 7 | В |
| RATE | 50 | | | | | | | |
| LEVEL | 00 | | | | | | | |
| SUS/END | END | | | | | | | |

2

~ 99)

~ 99)

DCO 2

| WAVE | FORM |
|-------|---------|
| FIRST | SECOND |
| 2 | 0 |
| (1~8) | (0 ~ 8) |

| i | ■ ■ V (PITCH) | | | | | | | | | | | |
|---|---------------|-----|---|---|---|---|---|---|---|----------|--|--|
| | STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | В | | | |
| | RATE | 50 | | | | | | | | (0 - 99) | | |
| | LEVEL | 00 | | | | | | | | (0 - 99) | | |
| | SUS/END | END | | | | | | | |] | | |

DCW 1

| KEY FOLLOW | |
|------------|--------|
| 0 | (0 ~ 9 |

| E N V (WAVE) | | | | | | | | | | | | |
|--------------|----|-----|---|---|---|---|----------|---|--------|--|--|--|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | В | | | | |
| RATE | 76 | 89 | | | | | | | (0 99) | | | |
| LEVEL | 42 | 00 | | | | | | | (0 99) | | | |
| SUS/END | | END | | | | | <u> </u> | | | | | |

DCW 2

| KEY FOLLOW | |
|------------|---------|
| 0 | (0 - 9) |

| | | E | N V | (WAVI | E) | | | | |
|---------|----|-----|-----|-------|----|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4_ | 5 | 6 | 7 | 8 | |
| RATE | 76 | 89 | | | | | | | (0 ~ 99) |
| LEVEL | 42 | 00 | | | | | | | (0 ~ 99) |
| SUS/END | | END | | | | | | | |

DCA 1

| İ | KEY FOLLOW | |
|---|------------|---------|
| | 0 | (D ~ 9) |

| E N V (AMP) | | | | | | | | |] |
|-------------|----|-----|---|---|---|---|----|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | .7 | 8 | |
| RATE | 99 | 57 | | | | | | | (0 ~ 99) |
| LEVEL | 99 | 00 | | | | | | | (0 - 99) |
| SUS/END | | END | | | 1 | | 1 | | 1 |

DCA 2

| KEY | FOLLOW | |
|-----|--------|---------|
| | 0 | (0 ~ 9) |

| | | E | E N V | (AMP |) | | | | |
|---------|----|-----|-------|------|---|---|---|---|---------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 99 | 57 | | | | | | | (0 ~ 99 |
| LEVEL | 99 | 00 | | | | | | | (0 - 99 |
| SUS/END | | END | | | | | | | |

COMMENT RING MODULATION produces effect of reverberated wood blocks.

TONE NAME CARTRIDGE NO. TONE NO. GLASS SOUND 1

PARAMETER

| | MODULATION | | | | |
|-------------|------------|-------|--|--|--|
| LINE SELECT | RING | NOISE | | | |
| 4 . 0/ | ON | OFF | | | |
| 1+2' | ON | Orr | | | |

| DETUNE | | | | | | | | |
|---------------------------|---|----|----|--|--|--|--|--|
| +/- OCTAVE NOTE FINE | | | | | | | | |
| + | 2 | 02 | 45 | | | | | |
| (+/-) (0-3) (0-†1) (0-60) | | | | | | | | |

| | 00 | CTAVE | | | |
|---------|----------|----------|---------------|-------|-------|
| WAVE | DELAY | RATE | DEPTH | +/- | RANGE |
| 1 | 35 | 50 | 11 | + | 1 |
| (1 ~ 4) | (0 - 99) | (0 ~ 99) | $(0 \sim 99)$ | (+/-) | (0~1) |

1

DCO 1

| WAVE FORM | | | | | | | |
|-----------|---------|--|--|--|--|--|--|
| FIRST | SECOND | | | | | | |
| 2 | 0 | | | | | | |
| (1-8) | (0 ~ 8) | | | | | | |

| | | Е | ■ V | (PITC) | -1) | | | |] |
|---------|-----|---|-----|--------|-----|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | В | [|
| FIATE | 50 | | | | | | | | (0~99) |
| LEVEL | 00 | | | | | | | | (0 ~ 99) |
| SUS/END | END | | | | | | | | |

2

_

| WAVE FORM | | | | | | | |
|-----------|---------|--|--|--|--|--|--|
| FIRST | SECOND | | | | | | |
| 2 | 0 | | | | | | |
| (1 ~ 8) | (0 - 8) | | | | | | |

DCO 2

| | | E | NV | (PITCI | H) | | | | - |
|---------|-----|---|----|--------|----|---|---|---|---------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 50 | | | | | | | | (0 ~ 99 |
| LEVEL | 00 | | | | | | | | (0 - 99 |
| SUS/END | END | | | | | | | | |

DCW 1

| KEY FOLLOW | |
|------------|--------|
| 1 | (0 - 9 |

| ■ N ∀ (WAVE) | | | | | | | | | |
|--------------|----|-----|---|---|---|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 99 | 12 | | | | | | | (0 ~ 99) |
| LEVEL | 12 | 00 | | | | | | | (0 - 99) |
| SUS/END | | END | | | | | | | |

DCW 2

| KEY FOLLOW | |
|------------|---------|
| 1 | (0 ~ 9) |

| - | ■ V (WAVE) | | | | | | | | | |
|---|------------|----|-----|---|---|---|---|---|---|----------|
| | STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| | RATE | 98 | 38 | | | | | | | (0 ~ 99) |
| | LEVEL | 65 | 00 | | | | | | | (0 ~ 99) |
| l | SUS/END | | END | | | | | | | |

DCA 1

| KEY FOLLOW | |
|------------|-------|
| 4 | (0~9) |

| | | | |) | (AMP | I N V | | | |
|---------|---|---|---|----|------|-------|------|----|---------|
| | 8 | 7 | 6 | .5 | 4 | 3 | | 1 | STEP |
| (0 - 99 | | | | | | | 36 | 95 | RATE |
| (0~99 | | | | | | | 00 | 99 | LEVEL |
| | | | | | | | ENIO | | CHOZEND |

DCA 2

| KEY FOLLOW | |
|------------|--------|
| 2 | (0 ~ 9 |

| | | E | E N V | (AMP |) | | | | |
|---------|----|-----|-------|------|---|---|---|---|---------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |] |
| PATE | 99 | 50 | | | | | | | (0∼99 |
| LÉVEL | 99 | 00 | | | | | | | (0 ~ 99 |
| SUS/END | | END | | | | | | | |

COMMENT .Hitting glasses filled with water.

GLASS SOUND 2

PARAMETER

| | MODULATION | | |
|-----------------|------------|-------|--|
| LINE SELECT | BING | NOISE | |
| 1+1' | ON | OFF | |
| (1,2,1-2',1+1') | (ON/OFF) | | |

| | ÐE | TUNE | |
|------|---------|--------|--------|
| +/- | OCTAVE | NOTE | FINE |
| + | 1 | 00 | 00 |
| (+/) | (0 ~ 3) | (0~11) | (0-60) |

| | | ÇTAVE | | | |
|---------|--------|----------|--------|-----|-------|
| WAVE | DELAY | RATE | DEPTH | +/- | RANGE |
| 1 | 00 | 50 | 00 | + | 0 |
| (1 ~ 4) | (0~99) | (0 ~ 99) | (0~99) | (+/ | (0~1) |

1

DCO 1

| WAVE FORM | | | | | | | |
|-----------|---------|--|--|--|--|--|--|
| FIRST | SECOND | | | | | | |
| 2 | 0 | | | | | | |
| (1 ~ 8) | (0 ~ 8) | | | | | | |

| ■ V (PITCH) | | | | | | | | | | | | |
|-------------|-----|-----|---|---|---|---|---|---|----------|--|--|--|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | | | |
| RATE | 99 | 00 | | | | | | | (0 ~ 99) | | | |
| LEVEL | 66 | 00 | | | | | | | (0 ~ 99) | | | |
| SUS/END | SUS | END | | | | | | |] | | | |

2

DCO 2

| WAVE | FORM |
|---------|---------|
| FIRST | SECOND |
| | |
| | |
| (1 - 8) | (0 - 8) |

| E N V (PITCH) | | | | | | | | | | | | |
|---------------|---|---|---|---|---|---|---|--|----------|--|--|--|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | | | | | |
| RATE | | | | | | | | | (0 - 99) | | | |
| LEVEL | | | | | | | | | (0 - 99) | | | |
| SUS/END | | | | | | | | | | | | |

DCW 1

| KEY FOLLOW | |
|------------|---------|
| 0 | (0 ~ 9) |

| E N V (WAVE) | | | | | | | | | | | |
|--------------|----|-----|---|---|--|---|---|--|----------|--|--|
| STEP | 1 | 2 | 3 | 4 | | 6 | 7 | | | | |
| RATE | 99 | 63 | | | | | | | (0 ~ 99) | | |
| LEVEL | 99 | 00 | | | | | | | (0 ~ 99) | | |
| SUS/END | | END | | | | | | | | | |

DCW 2

| KEY | FOLLOW | |
|-----|--------|---------|
| | | (0 ~ 9) |

| | | | II V | (WAV | E) | | | |
|---------|---|---|------|------|-----|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | II. | 6 | 7 | |
| RATE | | | | | | | | (0 - 99) |
| LEVEL | | | | | | | | (0 - 99) |
| SUS/END | 1 | | 1 | | | | | 1 |

DCA 1

| KEY FOLLOW | |
|------------|-------|
| 0 | (0~9) |

| | | | I N V | (AMP |) | | | |
|---------|----|-----|-------|------|---|-----|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | - 6 | 7 | |
| RATE | 99 | 37 | | | | | | (0 – 99) |
| LEVEL | 84 | 00 | | | | | | (0~99) |
| SUS/END | | END | - | | | | | |

DCA 2

| KEY | FOLLOW | |
|-----|--------|--------|
| | | (0 ~ 9 |

| E N V (AMP) | | | | | | | | | | | | | |
|-------------|---|---|---|---|---|--|---|--|----------|--|--|--|--|
| STEP | 1 | 2 | 3 | 4 | 5 | | 7 | | | | | | |
| RATE | | | | | | | | | (0~99 | | | | |
| LEVEL | | | | | | | | | (0 ~ 99) | | | | |
| SUS/END | | | | | | | | | | | | | |

COMMENT Brighter than GLASS SOUND 1.

TONE NAME CARTRIDGE NO. TONE NO. **AFRO-PERCUSSION 1**

PARAMETER

| | MODULATION | | | | |
|-----------------|------------|-------|--|--|--|
| LINE SELECT | RING | NOISE | | | |
| 1 | OFF | OFF | | | |
| (1,2,1+2',1+1') | (ON/OFF) | | | | |

| | DETUNE | | | | | | | | |
|-------|----------------------|----------|----------|--|--|--|--|--|--|
| +/~ | -/~ OCTAVE NOTE FINE | | | | | | | | |
| + | 0 | 00 | 00 | | | | | | |
| (+/-) | (0 - 3) | (0 ~ 11) | (0 ~ 60) | | | | | | |

| | | 00 | CTAVE | | | |
|--|-------|----------|----------|----------|-------|---------|
| | WAVE | DELAY | RATE | DEPTH | +1- | HANGE |
| | 1 | 00 | 50 | 00 | - | 1 |
| | (1-4) | (0 - 99) | (0 - 99) | (0 ~ 99) | (+/-) | (0 - 1) |

DCO 1

| WAVE FORM | | | | | | | |
|-------------|---------|--|--|--|--|--|--|
| FIRST SECON | | | | | | | |
| 5 | 0 | | | | | | |
| (1~8) | (8 - 0) | | | | | | |

| | | | N V | (PITC | H) | - | | | 7 |
|---------|----|-----|-----|-------|----|---|---|---|----|
| STEP | _1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 90 | 90 | | | | | | | (0 |
| LEVEL | 76 | 00 | | | | | | | (0 |
| SUS/END | | END | | | | | | | |

2

- 99}

99)

DCO 2

| WAVE FORM | | | | | | |
|-----------|---------|--|--|--|--|--|
| FIRST | SECOND | | | | | |
| | | | | | | |
| | | | | | | |
| (1~8) | (8 - 0) | | | | | |

| | | Е | N V | (PITCI | H) | | | |) |
|---------|----|---|-----|--------|----|---|---|---|----------|
| STEP | _1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | | | | | | | | | (0 - 99) |
| LEVEL | | | | | | | | | (0 - 98) |
| SUS/END | | | | | | | | | |

DCW 1

| KEY FOLLOW | |
|------------|---------|
| 0 | (0 ~ 9) |

| | | | N V | (WAV | E) | | | 1 |
|---------|-----|-----|-----|------|----|------|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 7 | 8 | |
| RATE | 99 | 50 | | | | | | (0 ~ 99) |
| LEVEL | 15 | 00 | | | | | | (0 ~ 99) |
| SUS/END | SUS | END | | | | | | |

DCW 2

| KEY | FOLLOW | | |
|-----|--------|------|---|
| | | (0-9 |) |

| | | E | NV | (WAV) | E) | | | 1 |
|---------|---|---|----|-------|----|---|-----|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | . 7 | |
| RATE | | | | | | | | (0 ~ 99 |
| LEVEL | | | | | | | | (0 ~ 99) |
| SUS/END | | | | | | | | |

DCA 1

| KEY FOLLOW | |
|------------|---------|
| 0 | (0 - 9) |

| | | | E V | (AMP |) | | | | |
|----------|----|------|-------|------|---|---|---|----|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | | 7 | _6 | |
| RATE | 99 | 49 | | | | | | | (0 - 99) |
| LEVEL | 99 | 00 | | | | | | | (0 - 99) |
| CLIC/CND | _ | ENID | _ | _ | | - | | | |

DCA 2

| KEY FOLLOW | |
|------------|---------|
| | (0 ~ 9) |

| | | | II N A | / (AMF |) | | | |] |
|--------|---|---|--------|--------|---|---|---|---|--------|
| STEP | | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| PATE | | | | | | | | | (0 ~ 9 |
| LEVEL | | | | | | | | | (0~9 |
| SUSTEN | D | | - | ļ | | | | | , |

COMMENT "Click" added using pitch envelope, attack effect produced.

AFRO-PERCUSSION 2

PARAMETER

| | MODU | LATION |
|---------------------|------|--------|
| LINE SELECT | RING | NOISE |
| 1+2' | ON | OFF |
| (1.2.1 + 2'.1 + 1') | (ON) | OFF) |

| | DE | | |
|-------|---------|----------|----------|
| +/- | OCTAVE | NOTE | FINE |
| + | 2 | 00 | 00 |
| (+1-) | (0 - 3) | (0 ~ 11) | (0 ~ 60) |

| | VIBA | Ó | CTAVE | | |
|--------------|----------|----------|--------|-------|-------|
| WAVE | DELAY | RATE | DEPTH | +/- | RANGE |
| 1 | 00 | 00 50 | | | 1 |
| $(1 \sim 4)$ | (0 ~ 99) | (0 - 99) | (0-99) | (+/-) | (0~1) |

1

DCO 1

| WAVE FORM | | | | | | |
|-----------|--------|--|--|--|--|--|
| FIRST | SECOND | | | | | |
| 1 | 5 | | | | | |
| ' | 5 | | | | | |

| | | E | ■ V | (PITCI | H) | | | | 7 |
|---------|-----|---|-----|--------|----|---|---|---|----------|
| STEP | 1 | | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 50 | | | | | | | | (0 ~ 99) |
| LEVEL | 00 | | | | | | | | (0 - 99) |
| SUS/END | END | | | | | | | | |

2

DCO 2

| WAVE FORM | | | | | | |
|-----------|---------|--|--|--|--|--|
| FIRST | SECOND | | | | | |
| 5 | 0 | | | | | |
| (1 - 8) | (0 ~ 8) | | | | | |

| | | E | NV | (PITC | H) | | | | 1 |
|---------|-----|---|----|-------|----|---|---|---|--------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |] |
| RATE | 50 | | | | | | | | (0~99) |
| TEVEL | 00 | | | | | | | | (0~99) |
| SUS/END | END | | | | | | | | - |

DCW 1

| KEY FOLLOW | |
|------------|-------|
| 9 | (0-9) |

| | | E | N V | (WAV | E) | _ | | | 1 |
|---------|----|-----|-----|------|----|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 99 | 12 | | | | | | | (0 ~ 99) |
| LEVEL | 14 | 00 | | | | | | | (0 ~ 99) |
| SUS/END | | END | | | | | | - | |

DCW 2

| KEY FOLLOW | |
|------------|---------|
| 9 | (0 ~ 9) |

| | | E | N V | (WAV | E) | | | | 7 |
|---------|----|-----|-----|------|----|---|---|---|---------|
| STEP | 1 | 2 | 3 | 4 | 5 | | 7 | 8 | |
| RATE | 99 | 12 | | | | | | | (0~99 |
| LEVEL | 44 | 00 | | | | | | | (0 - 99 |
| SUS/END | | END | | | | _ | | | |

DCA 1

| KEY FOLLOW | |
|------------|-------|
| 0 | (0-9) |

| | | | I N V | (AMP |) | | | | 1 |
|---------|----|-----|-------|------|---|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 95 | 39 | | | | | | | (0 ~ 99) |
| LEVEL | 99 | 00 | | | | | | | (0 ~ 99) |
| SUS/END | | END | | | | | | | |

DCA 2

| KEY FOLLOW | |
|------------|---------|
| 0 | (0 ~ 9) |

| | | _ [| E N V | (AMP |) | | | | 1 |
|---------|----|-----|-------|------|---|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 88 | 42 | | | | | | | (0~99 |
| LEVEL | 63 | 00 | | | | | | | (0 ~ 99, |
| SUS/END | | END | | | | | | | |

COMMENT

Softer touch.

PARAMETER

RING

OFF

LINE SELECT

1

[1,2,1+2],1+1]

DCO 1

FIRST

2

(1 - 8)

STEP

RATE

LEVEL

SUS/END

DCW 1

KEY FOLLOW

7

STEP

RATE

LEVEL

SUS/END

DCA 1

KEY FOLLOW

7

STEP

RATE

LEVEL

SUS/END

WAVE FORM

SECOND

0

(8 - 0)

99

99

2

99

00

END

(0 - 9)

63

00

END

(0 - 9)

99

99

2

39

00

END

99

99

TONE NAME CARTRIDGE NO. TONE NO. **AFRO-PERCUSSION 3** MODULATION DETUNE VIBRATO OCTAVE NOISE OCTAVE +/-NOTE FINE WAVE DELAY DEPTH RATE RANGE OFF +0 00 00 1 00 50 00 1 (ON/OFF) (-I-)(0 - 3)(0 - 11)(0 - 60)(1 - 4)(0 - 99)(0 - 99)(0 - 99)(+/-)(0 - 1)DCO₂ WAVE FORM SECOND FIRST (1 - 8) $\{0 \sim 8\}$ E N V (PITCH) E N V (PITCH) 3 4 6 8 STEP 2 3 4 6 8 $(0 \sim 99)$ RATE (0 - 99) $\{0 \sim 99\}$ LEVEL (0 - 99)SUS/END DCW 2 KEY FOLLOW $(0 \sim 9)$ E N V (WAVE) E N V (WAVE) 6 ₿ STEP 3 6 8 (0 - 99)RATE (0 - 99) $(0 \sim 99)$ LEVEL $(0 \sim 99)$ SUS/END DCA 2 KEY FOLLOW (0 - 9)E N V (AMP) E V (AMP) 4 5 6 7 8 STEP 2 3 4 5 6 7 8 RATE (0 - 99)(0 - 99)

COMMENT Strong attack (hard sound).

(0 - 99)

LEVEL

SUS/END

(0 - 99)

CARTRIDGE NO. TONE NO. TONE NAME STEEL DRUM 2 PARAMETER MODULATION DETUNE VIBRATO OCTAVE +/- OCTAVE WAVE DELAY DEPTH LINE SELECT RING NOISE NOTE FINE RATE +1-RANGE 1 + 1'ON OFF +2 03 80 1 0 38 15 + 0 (1,2,1+2',1+1') (ON/OFF) (+/-) (0-3) $\{0 - 11\}$ (0 - 60)(1 - 4)(0 - 99)(0 - 99)(0 - 99)(+1-)(0 - 1)DCO 2 DCQ 1 WAVE FORM WAVE FORM FIRST SECOND SECOND 5 0 (1 - 8)(1 - 8)(0 - 8)(0 - 8)E ■ V (PITCH) E N V (PITCH) STEP STEP 2 3 6 8 ш 3 4 5 6 7 8 99 (0 - 99)RATE (0 - 99)RATE 76 LEVEL 62 00 LEVEL. $(0 \sim 99)$ $(0 \sim 99)$ SUS/END END SUS/END DCW 1 DCW 2 KEY FOLLOW **KEY FOLLOW** 0 $(0 \sim 9)$ $\{0 - 9\}$ E V (WAVE) E ■ V (WAVE) STEP 5 6 8 STEP 3 | 4 5 6 8 4 RATE 99 51 (0 - 99)RATE (0 - 99)83 $(0 \sim 99)$ LEVEL. (0 - 99)LEVEL 00 SUS/END END SUS/END DCA 1 DCA 2 KEY FOLLOW KEY FOLLOW 2 $(0 \sim 9)$ (0 - 9)E N V (AMP) ENV(AMP) 3 STEP 2 6 8 STEP 5 6 8 RATE 99 52 (0 - 99)RATE (0 - 99)

COMMENT Reverberate short and small steel drum sound.

LEVEL

SUS/END

99

00

END

(0 - 99)

LEVEL

SUS/END

(0 - 99)

TONE NAME CARTRIDGE NO. TONE NO. STEEL DRUM 3 PARAMETER MODULATION DETUNE VIBRATO LINE SELECT OCTAVE RING NOISE +/- OCTAVE NOTE FINE WAVE DELAY RATE DEPTH +/-RANGE 1 + 2'ON OFF 0 00 18 1 00 23 02 + 0 (1.2, 1+2', 1+1')(ON/OFF) (+/-) $(0 \sim 3)$ (0 - 12)(0 - 60)(1 - 4) $(0 \sim 99)$ (0 - 99)(0 - 99)(+/-) (0 - 1)DCO 1 DCO₂ WAVE FORM WAVE FORM FIRST SECOND FIRST SECOND 2 0 2 0 (1 - 8)(0 - 8)(1 - 0)(0 - 8)E N V (PITCH) E N V (PITCH) STEP 3 6 8 STEP 3 4 5 6 8 RATE 50 (0 - 99)RATE 50 (0 - 99)LEVEL 00 (0 - 99)LEVEL 00 $(0 \sim 99)$ SUS/END END SUS/END END DCW 1 DCW 2 KEY FOLLOW KEY FOLLOW 1 $(0 \sim 9)$ 1 (0 - 9)E N V (WAVE) E N V (WAVE) STEP 2 5 6 8 STEP 2 3 5 6 8 RATE 99 12 $\{0 - 99\}$ RATE 98 38 (0 - 99)LEVEL 00 (0 - 99)LEVEL 65 00 $(0 \sim 99)$ SUS/END END SUS/END END DCA₁ DCA 2 KEY FOLLOW KEY FOLLOW 4 $(0 \sim 9)$ 2 (0 - 9)E N V (AMP) E N V (AMP) STEP 2 4 6 8 STEP 5 6 8 RATE 99 39 RATE 89 23 (0 - 99)(0 - 99)LEVEL 99 00

COMMENT

END

SUS/END

RING MODULATION and DETUNE setting produce resonant sound.

LEVEL

SUS/END

99

00

END

(0 - 99)

 $(0 \sim 99)$

PARAMETER

LINE SELECT

1 + 2'

(1,2,1 ÷ 2',1 + 1')

DCO 1

1

(1 - 8)

STEP

RATE

LEVEL

SUS/END

WAVE FORM

SECOND

5

(0 - 8)

99

70

2

42

00

END

RING

OFF

TONE NO. CARTRIDGE NO. TONE NAME SYNTH. DRUMS 2 OCTAVE VIBRATO MODULATION DETUNE RATE DEPTH RANGE WAVE DELAY +1- OCTAVE NOTE FINE NOISE 1 00 50 00 1 00 0 10 ON +(0 - 99)(+/-) $(0 \sim 1)$ $(1 \sim 4)$ (0 - 99)(0 - 99)(ON/OFF) (0 - 60)(+/-) (0 - 3)(0 - 11)DCO₂ WAVE FORM SECOND FIRST 0 5 (0 - 8) $(1 - \theta)$ E N V (PITCH) E N V (PITCH) 3 4 В 8 STEP 2 5 8 3 13 $(0 \sim 99)$ RATE 99 99 (0 - 99)99 53 00 $(0 \sim 99)$ LEVEL. (0 - 99)SUS END SUS/END DCW 2

| DCW | 1 | |
|-----|---|--|
| | | |

KEY FOLLOW 0 (0 - 9)

| | | | N V | (WAVI | Ξ) | | | |] |
|---------|----|-----|-----|-------|----|-----|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | - 6 | 7 | 8 | |
| HATE | 99 | 99 | | | | | | | (0~99) |
| FEAET | 99 | 00 | | | | | | | (0 - 99) |
| SUS/END | | END | | | | | | |] |

DCA 1

KEY FOLLOW 9 (0 - 9)

| 1 | E ■ V (AMP) | | | | | | | | | |
|---|-------------|----|-----|-----|---|---|---|---|---|----------|
| Ì | STEP | 1 | 2 | 3 _ | 4 | 5 | 6 | 7 | 8 | |
| | RATE | 99 | 53 | | | _ | | | | (0-99) |
| | LEVEL | 99 | 00 | | | | | | | (0 – 99) |
| ı | SUS/END | | END | | | | | | | |

KEY FOLLOW (0 - 9)8

| | | E | N V | (WAV | E) | | | | |
|---------|-----|-----|-----|------|----|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 99 | 50 | | | | | | | (0 - 89) |
| LEVEL | 99 | 00 | | | | | | | (0 - 99) |
| SUS/END | sus | END | | | | | | | |

DCA 2

KEY FOLLOW (0 - 9)0

| | | E | E III V | (AMP |) | | | | |
|---------|----|-----|---------|------|---|---|----|---|---------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7_ | 8 | |
| RATE | 99 | 50 | 52 | | | | | | (0 - 99 |
| LEVEL | 92 | 00 | 00 | | | | | | (0 - 99 |
| SUS/END | | sus | END | | | | | |] |

Quick attack envelope and noise modulation produce percussive timbre. COMMENT

SYNTH. DRUMS 3

PARAMETER

| | MODUL | ATION |
|---------------------|-------|-------|
| LINE SELECT | RING | NOISE |
| 1+2' | OFF | OFF |
| (1,2,1 - 2',1 + 1') | (ON/ | OFF) |

| | DETUNE | | | | | | | | |
|-------|---------|----------|----------|--|--|--|--|--|--|
| +1- | OCTAVE | NOTE | FINE | | | | | | |
| + | 0 | 08 | 01 | | | | | | |
| 1.1.3 | (0 ~ 3) | (0 ~ 11) | (0 - 60) | | | | | | |

| | VIBR | OCTAVE | | |
|---------|----------|----------|--------|----------------------|
| WAVE | DELAY | RATE | DEPTH | +/- RANGE |
| 1 | 00 | 50 | 00 | - 1 |
| (1 - 4) | (0 - 99) | (0 - 99) | (0~99) | $(+I-)$ $(0 \sim 1)$ |

1

DCO 1

| WAVE | FORM |
|-------|--------|
| FIRST | SECOND |
| 4 | - |
| ' | 5 |

| | | E | ΝV | (PITCI | H) | | | | |
|---------|----|-----|----|--------|----|---|---|---|---------|
| STEP | 11 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 99 | 42 | | | | | | | (0 - 99 |
| LEVEL | 70 | 00 | | | | | | | (0 - 99 |
| SUS/END | | END | | | | | | | |

2

DCO 2

| WAVE FORM | | | | | | | |
|-----------|---------|--|--|--|--|--|--|
| FIRST | SECOND | | | | | | |
| 1 | 5 | | | | | | |
| (1 ~ 8) | (0 ~ 8) | | | | | | |

| ■ N V (PITCH) | | | | | | | | | |
|---------------|----|-----|---|---|---|---|---|---|---------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 99 | 42 | | | | | | | (0 ~ 99 |
| LEVEL. | 66 | 00 | | | | | | | (O ~ B9 |
| SUS/END | | END | | | | | | | |

DCW 1

| KEY FOLLOW | |
|------------|---------|
| 0 | (0 ~ 9) |

| | | E | N V | (WAVE | ≘) | | | | |
|---------|----|-----|-----|-------|----|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | В | |
| RATE | 99 | 99 | | | | | | | (0 - 99) |
| LEVEL | 99 | 00 | | | | | | | (0 ~ 99) |
| SUS/END | | END | | | | | | | |

DCW 2

| KEY FOLLOW | |
|------------|---------|
| 8 | (0 ~ 9) |

| E N V (WAVE) | | | | | | | | | |
|--------------|----|-----|---|---|---|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 99 | 99 | | | | | | | (0 - 99) |
| LEVEL | 99 | 00 | | | | | | | (0 - 99) |
| SUS/END | | END | | | | | | | |

DCA 1

| KEY FOLLOW | |
|------------|---------|
| 9 | (0 - 9) |

| E N V (AMP) | | | | | | | | | |
|-------------|----|------|-----|---|---|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | В | |
| RATE | 99 | 43 | 50 | | | | | | (0 – 99) |
| LEVEL | 99 | 00 | 00 | | | | | | (0 - 99) |
| SUS/END | | 8118 | END | | | | ì | | |

DCA 2

| KEY FOLLOW | |
|------------|---------|
| 0 | (0 - 9) |

| | | | E N V | (AMP |) | | | | |
|---------|----|-----|-------|------|---|---|---|---|---------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 99 | 47 | 52 | | | | | | (0 – 99 |
| LEVEL | 92 | 00 | 00 | | | | | | (0-99 |
| SUS/END | | SUS | END | | | | | | |

COMMENT

Pitch envelope makes pitch drop after strike.

SOUND DATA - 57

CARTRIDGE NO. **TONE NAME** TONE NO. SYNTH. DRUMS 4

PARAMETER

| | MODUI | ATION | | | |
|-----------------|----------|-------|--|--|--|
| LINE SELECT | RING | NOISE | | | |
| 1+2' | OFF | ON | | | |
| (1,2,1+2',1+1') | (ON/OFF) | | | | |

| | DETUNE | | | | | | | | | |
|-------|---------|--------|--------|--|--|--|--|--|--|--|
| +/- | OCTAVE | NOTE | FINE | | | | | | | |
| + | 0 | 10 | 00 | | | | | | | |
| (+1-) | (0 - 3) | (0-11) | (0-60) | | | | | | | |

| | 0 | CTAVE | | | |
|---------|---------------|----------|----------|-------|-------|
| WAVE | DELAY | RATE | DEPTH | +/- | RANGE |
| 3 | 00 | 55 | 80 | | 1 |
| (1 ~ 4) | $(0 \sim 99)$ | (0 - 99) | (0 - 99) | (+/-) | (0~1) |

DCO 1

| WAVE FORM | | | | | | |
|-----------|---------|--|--|--|--|--|
| FIRST | SECOND | | | | | |
| 1 | 5 | | | | | |
| (1~8) | (0 ~ 8) | | | | | |

| | | | ΝV | (PITCI | H) | | | | 1 |
|---------|----|-----|----|--------|----|---|---|----|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | -8 | |
| RATE | 99 | 99 | | | | | | | (0~99) |
| LEVEL | 05 | 00 | | | | | | | (0 ~ 99) |
| SUS/END | | END | | | | | | | |

DCO 2

| WAVE FORM | | | | | | |
|-----------|---------|--|--|--|--|--|
| FIRST | SECOND | | | | | |
| 3 | 0 | | | | | |
| (1~8) | (0 - 0) | | | | | |

| | | | N.V | (PITC | H) | | | | 1 |
|---------|----|-----|-----|-------|----|---|---|---|---------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 99 | 99 | | | | | | | (0~98 |
| LEVEL | 99 | 00 | | | | | | | (0 ~ 89 |
| SUS/END | | END | | | | | | | |

DCW 1

| KEY FOLLOW | |
|------------|---------|
| 0 | (0 ~ 9) |

| E N V (WAVE) | | | | | | | |] | |
|--------------|----|-----|---|---|---|---|---|---|---------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| FIATE | 99 | 99 | | | | | | | (0~99 |
| LEVEL | 99 | 00 | | | | | | | (0 ~ 99 |
| SUS/END | | END | | | | | | | |

DCW 2

| KEY | FOLLOW |] |
|-----|--------|------|
| | 0 | (0-9 |

| | | E | NV | (WAVI | Ε) | | | |] |
|---------|-----|-----|----|-------|----|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |] |
| RATE | 99 | 88 | | | | | | | (0 ~ 99) |
| LEVEL | 99 | 00 | | | | | | | (0 99) |
| SUS/END | SUS | END | | | | | | | 1 |

DCA 1

| KEY FOLLOW | |
|------------|-------|
| 9 | (0-9) |

| | | E | E N V | (AMP |) | | | |] |
|---------|----|-----|-------|------|---|---|---|---|----------|
| \$1'EP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 99 | 51 | | | | | | | (0 - 99) |
| LEVEL | 99 | 00 | | | | | | | (0 ~ 99) |
| CHEVEND | | END | | | | | | | 1 |

DCA 2

| KEY FOLLOW | |
|------------|---------|
| 8 | (0 ~ 9) |

| | | E | E N V | (AMP |) | | | | |
|---------|----|-----|-------|------|---|---|---|---|---------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 99 | 75 | | | | | | | (0 ~ 99 |
| LEVEL | 82 | 00 | | | | | | | (0~99) |
| SUS/END | | END | | | | | | | |

COMMENT Heavy drum effect.

TONE NAME CARTRIDGE NO. TONE NO. TABLA

PARAMETER

| | MODUL | ATION |
|-----------------|-------|-------|
| LINE SELECT | RING | NOISE |
| 1+1' | OFF | OFF |
| (1,2,1+2',1+1') | (ON/ | OFF) |

| | DE | TUNE | |
|-------|----------|----------|--------|
| +/- | OCTAVE | NOTE | FINE |
| + | 0 | 10 | 06 |
| 14/-1 | (f) = 31 | (0 - 11) | m - en |

| | | VIBE | ATO | | 0 | CTAVE |
|---|---------|----------|----------|--------|-------|-------|
| L | WAVE | DELAY | RATE | DEPTH | +/- | RANGE |
| | _1 | 10 | 54 | 07 | + | 0 |
| | (1 ~ 4) | (0 - 99) | (0 ~ 99) | (0-99) | (+1-) | (0~1) |

F

DCO 1

| WAVE | FORM |
|-------|--------|
| FIRST | SECOND |
| 4 | - |
| 1 | 5 |

| | | Е | N V | (PITCI | H) | | | |] |
|---------|----|----|-----|--------|----|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 33 | 54 | 38 | | | | | | (0 ~ 99) |
| LEVEL | 03 | 27 | 00 | | | | | | (0 - 99) |
| SUS/END | | | END | | | | | | |

2

DCO 2

| WAVE | FORM |
|-------|--------|
| FIRST | SECOND |
| | |
| | |
| | |

| E N V (PITCH) | | | | | | | | | | | |
|---------------|---|---|---|---|---|---|---|---|----------|--|--|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | | |
| RATE | | | | | | | | | (0 - 99) | | |
| LEVEL | | | | | | | | | (0 ~ 99) | | |
| SUS/END | | | | | | | | | | | |

DCW 1

| KEY | FOLLOW | |
|-----|--------|--------|
| | 0 | {O - 9 |

| | | E | NV | (WAV | E) | | | |] |
|---------|----|-----|----|------|----|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 1 |
| RATE | 99 | 99 | | | | | | | (0 ~ 99) |
| FEAEF | 99 | 00 | | | | | | | (0 - 99) |
| SUS/END | | END | | | | | | | 1 |

DCW 2

| KEY FOLLOW | |
|------------|-------|
| | (0-9) |

| E N V (WAVE) | | | | | | | | | | | | |
|--------------|-----|---|---|---|---|--|----|---|---------|--|--|--|
| STEP | _1_ | 2 | 3 | 4 | 5 | | _7 | 8 | | | | |
| RATE | | | | | | | | | (0 - Pi | | | |
| LEVEL | | | | | | | | | (0~9 | | | |
| SUS/END | | | | - | | | | | | | | |

DCA 1

| KEY FOLLOW | |
|------------|---------|
| 9 | (0 - 9) |

| E N V (AMP) | | | | | | | | | | | |
|-------------|----|-----|-----|---|---|---|---|--|----------|--|--|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | |] | | |
| RATE | 99 | 52 | 40 | | | | | | (0 ~ 99) | | |
| LEVEL | 99 | 00 | 00 | | | | | | (0 - 99) | | |
| SUS/END | | SUS | END | | | | | | | | |

DCA 2

| KEN EOULOW | 1 |
|------------|--------|
| KEY FOLLOW | |
| | (n = n |
| | [U-8 |

| E N V (AMP) | | | | | | | | | | | | |
|-------------|---|---|---|---|----------|---|---|---|---------|--|--|--|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | | | |
| RATE | | | | | | | | | (0 ~ 98 | | | |
| LEVEL | | | | | | | | | (0 ~ 99 | | | |
| SUS/END | | | | | <u> </u> | | | | | | | |

COMMENT

Indian musical instrument.

Volume envelope differs in accordance with how long keys are pressed.

SOUND DATA - 59

TONE NAME CARTRIDGE NO. TONE NO. **TAMBOURINE**

PARAMETER

| | MODUL | ATION |
|-------------|-------|-------|
| LINE SELECT | RING | NOISE |
| | | |
| 1+1' | OFF | ON |

| DETUNE | | | | | | | | |
|--------|---------|--------|----------|--|--|--|--|--|
| +/- | OCTAVE | NOTE | FINE | | | | | |
| + | 0 | 00 | 00 | | | | | |
| (+1-) | (0 - 3) | (0-11) | (0 - 60) | | | | | |

| | | O | CTAVE | | | |
|---|---------|----------|--------|----------|-------|---------|
| į | WAVE | DELAY | RATE | DEPTH | +/- | RANGE |
| | 1 | 00 | 50 | 00 | + | 1 |
| | (1 ~ 4) | (0 - 99) | (0~99) | (0 ~ 99) | (+/-) | (0 - 1) |

DCO 1

| WAVE FORM | | | | | | |
|-----------|---------|--|--|--|--|--|
| FIRST | SECOND | | | | | |
| 5 | 0 | | | | | |
| (1 ~ 8) | (0 ~ B) | | | | | |

| | | F | N V | (PITCI | -1) | | | | 7 |
|---------|----|-----|-----|--------|-----|---|---|---|--------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 99 | 18 | | | | | | | (0~99) |
| LEVEL | 99 | 00 | | | | | | | (0~99) |
| SUS/END | | END | | | | | | | 1 |

2

DCO 2

| WAVE FORM | | | | | | |
|-------------|-------|--|--|--|--|--|
| FIRST SECON | | | | | | |
| | | | | | | |
| | | | | | | |
| 74 01 | 70 01 | | | | | |

| (1 ~ 8) | (0 ~ 8) |
|---------|---------|
|---------|---------|

| | | Е | N V | (PITCI | 4) | | | |
|---------|---|---|-----|--------|----|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 7 | В | |
| RATE | | | | | | | | (0 - 99) |
| LEVEL | | | | | | | | (0 ~ 99) |
| SUS/END | | | | | | | | |

DCW 1

| KEY FOLLOW | |
|------------|---------|
| 0 | (0 - 9) |

| | | Е | N V | (WAVI | Ξ} | | | | |
|---------|----|-----|-----|-------|----|---|---|---|----------|
| STEP | 1 | 2 | 3 | . 4 | 5 | 6 | 7 | 8 | |
| RATE | 99 | 28 | | | | L | | | (0 ~ 99) |
| LEVEL | 24 | 00 | | | | | | | (0 ~ 99) |
| SUS/END | | END | | | | | | | |

DCW 2

| | FOLLOW | KEY |
|---------|---------|------|
| | 1000011 | 1.00 |
| (O 0) | | |
| (0 ~ 9) | | |
| | | |

| ■ N V (WAVE) | | | | | | | | | |
|--------------|---|---|---|---|---|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | В | |
| PATE | | | | | | | | | (0~99) |
| LEVEL | | | | | | | | | (0 - 99) |
| SUS/END | | | | | | | | | |

DCA 1

| KEY FOLLOW | |
|------------|---------|
| 0 | (0 - 9) |

| | | E | E N V | (AMP | } | | - | |] |
|---------|----|-----|-------|------|---|---|---|---|--------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATÉ | 94 | 56 | | | | | | | (0-99) |
| LEVEL | 94 | 00 | | | | | | | (0~99) |
| SHE/END | | END | | | | | | | 1 |

DCA 2

| KEY FOLLOW | |
|------------|---------|
| | (0 = 9) |
| | (0 0) |

| E N V (AMP) | | | | | | | | | | | | |
|-------------|---|---|---|---|---|---|---|---|----------|--|--|--|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | | | |
| RATE | | | | | | | | | (0 ~ 99) | | | |
| LEVEL | | | | | | | | | (0~99) | | | |
| SUS/END | | | | | | | | | | | | |

COMMENT Press as many keys as possible.

SCRATCH SOUND CARTRIDGE NO. TONE NO.

PARAMETER

| | MODULATION | | | | | | |
|-----------------|------------|-------|--|--|--|--|--|
| LINE SELECT | RING | NOISE | | | | | |
| 1+1' | OFF | ON | | | | | |
| (1,2,1+2',1+1') | (ON/OFF) | | | | | | |

| | DETUNE | | | | | | | | | | | |
|-------|--|----|----|--|--|--|--|--|--|--|--|--|
| +/- | +/- OCTAVE NOTE FINE | | | | | | | | | | | |
| + | 0 | 00 | 06 | | | | | | | | | |
| (÷1-) | $(\div I -)$ $(0 - 3)$ $(0 - 11)$ $(0 - 60)$ | | | | | | | | | | | |

| | VIBR | 0 | CTAVE | | |
|---------|----------|----------|----------|-------|---------|
| WAVE | DELAY | RATE | DEPTH | +1- | RANGE |
| 2 | 00 | 67 | 99 | | 1 |
| (1 ~ 4) | (0 - 99) | (0 - 99) | (0 ~ 99) | (+1-) | (0 - 1) |

1

DCO 1

| WAVE FORM | | | | | | |
|-----------|---------|--|--|--|--|--|
| FIRST | SECOND | | | | | |
| 2 | 5 | | | | | |
| (1 ~ 8) | (8 ~ 0) | | | | | |

| E V (PITCH) | | | | | | | | | | | | |
|---------------|----|-----|-----|---|---|----|---|---|----------|--|--|--|
| STEP | 1 | 2 | 3 | 4 | 5 | -6 | 7 | 8 | | | | |
| RATE | 63 | 76 | 67 | | | | | | (0 - 99) | | | |
| LEVEL | 81 | 69 | 00 | | | | | | (0 ~ 99) | | | |
| SUS/END | | SUS | END | | | | Î | | | | | |

2

DCO 2

| WAVE | FORM |
|-------|--------|
| FIRST | SECOND |
| | |
| (1 0) | 70 0 |

| ı | E ■ V (PITCH) | | | | | | | | | | | |
|---|---------------|---|---|---|---|---|---|-----|---|----------|--|--|
| | STEP | 1 | 2 | 3 | 4 | 5 | 6 | _ 7 | 8 | | | |
| | RATE | | | | | | | | | (0 - 99) | | |
| | LEVEL | | | | | | | | | (0 - 99) | | |
| | SUS/END | - | | | | | | | | | | |

DCW 1

| KEY | FOLLOW | |
|-----|--------|------|
| | 4 | 10-1 |

| E N V (WAVE) | | | | | | | | | | | |
|--------------|-----|-----|---|---|---|---|---|---|----------|--|--|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | | |
| RATE | 55 | 41 | | | | | | | (0 - 99) | | |
| LEVEL | 59 | 00 | | | | | | | (0 - 99) | | |
| SUS/END | SUS | END | | | | | | | | | |

DCW 2

| KEY FOLLO | W |
|-----------|---------|
| | (0 - 9) |

| | E N V (WAVE) | | | | | | | | | | | |
|---------|--------------|---|---|---|---|---|---|---|----------|--|--|--|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | В | | | | |
| RATE | | | | | | | | | (0 - 99) | | | |
| LEVEL | | | | | | | | | (0 - 99) | | | |
| SUS/END | | | | | | | | | | | | |

DCA 1

| KEY FOLLOW | |
|------------|-------|
| 5 | (0~9) |

| E ■ V (AMP) | | | | | | | | |] |
|-------------|----|----|-----|-----|---|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | В | |
| RATE | 68 | 47 | 66 | 88 | | | | | (0~99) |
| LEVEL | 99 | 87 | 00 | 00 | | | | | (0 ~ 99) |
| SUS/END | | | SUS | END | | | | | |

DCA 2

| KEY FOLLOW | |
|------------|--------|
| | (0 – 9 |

| E N V (AMP) | | | | | | | | | |
|-------------|---|---|---|---|---|---|---|---|---------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | | | | | | | | | (0 - 99 |
| LEVEL | | | | | | | | | (0 - 99 |
| SUS/END | | | | | | | | | |

COMMENT Currently popular scratch sound.

SOUTHERN WING

PARAMETER

| | MODULATION | | | |
|-----------------|------------|-------|--|--|
| LINE SELECT | RING | NOISE | | |
| 1+1' | OFF | OFF | | |
| (1,2,1+2',1+1') | (ON/OFF) | | | |

| DETUNE | | | | | | | | | |
|--------|---------|----------|----------|--|--|--|--|--|--|
| +1- | OCTAVE | NOTE | FINE | | | | | | |
| + | 0 | 00 | 07 | | | | | | |
| (+/-) | (0 - 3) | (0 ~ 11) | (0 - 60) | | | | | | |

| VIBRATO | | | | | | | | |
|---------|--------|----------|----------|--|--|--|--|--|
| WAVE | DELAY | RATE | DEPTH | | | | | |
| 1 | 00 | 50 | 00 | | | | | |
| (1 ~ 4) | (0~99) | (0 ~ 99) | (0 - 99) | | | | | |

| 1 | 00 | OCTAVE | | | | | | |
|---|-------|---------|--|--|--|--|--|--|
| | +1- | RANGE | | | | | | |
| | + | 1 | | | | | | |
| | 1+1-3 | (0 - 1) | | | | | | |

1

DCO 1

| WAVE FORM | | | | | | |
|-----------|---------|--|--|--|--|--|
| FIRST | SECOND | | | | | |
| 3 | 4 | | | | | |
| (1~8) | (0 ~ 8) | | | | | |

| | | | NV(| PITCI | H) | | | |] |
|---------|----|-----|-----|-------|----|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | В | |
| RATE | 47 | 68 | 60 | | | | | | (0 - 99) |
| LEVEL | 44 | 00 | 00 | | | | | | (0 - 99) |
| SUS/END | | SUS | END | | | | | | } |

2

DCO 2

| WAVE FORM | | | | | | | |
|-----------|---------|--|--|--|--|--|--|
| FIRST | SECOND | | | | | | |
| | | | | | | | |
| | | | | | | | |
| /1 = 8) | (0 ~ 8) | | | | | | |

| | | Е | N V | (PITC) | 1) | | | | |
|---------|---|---|-----|--------|----|---|---|---|---------|
| STEP | 1 | 2 | 3 | 4 | 5_ | 6 | 7 | В | |
| RATE | | | | | | | | | (0 ~ 99 |
| LEVEL | | | | | | | | | (0~99 |
| SUS/END | | | | | | | | | |

DCW 1

KEY FOLLOW (0 – 9)

| | | E | JII V | (WAVE | Ξ) | | | | |
|---------|----|-----|-------|-------|----|---|---|----|---------|
| STEP | 1_ | 2 | 3 | 4 | 5 | 6 | 7 | -8 | - |
| RATE | 99 | 68 | 37 | | | | | | (0 - 99 |
| LEVEL | 81 | 99 | 00 | | | | | | (0 - 99 |
| SUS/END | | SUS | END | | | | | | j |

DCW 2

| KEY FOLLOW | |
|------------|------|
| | |
| | (0~: |
| | |

| | | E | N V | (WAV | E) | | | | |
|---------|---|---|-----|------|----|---|---|---|--------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | | | | | | | | | (0 ~ 9 |
| LEVEL | | | | | | | | | (0 - 9 |
| SUS/END | | | | | | | | | |

DCA 1

| KEY FOLLOW | |
|------------|-------|
| 0 | (0~9) |

| | _ | | I N V | (AMP | } | | | | |
|---------|----|-----|-------|------|---|----|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6_ | 7 | 8 | |
| RATE | 99 | 62 | 33 | | | | | ļ | (0 - 99) |
| LEVEL | 87 | 75 | 00 | | | | _ | | (0~99) |
| SUS/END | | SUS | END | | | | | | |

DCA 2

| KEY FOLLOW | |
|------------|---------|
| | (0 ~ 9) |

| | | | E N V | (AMP |) | | | | |
|---------|---|---|-------|------|---|----------|---|---|--------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | | | | | | | | | (0-1 |
| LEVEL | | | | | | | | | (0 - 5 |
| SUS/END | | | | | | <u> </u> | | | |

COMMENT Southeast Asia flavor.

MODULATION

RING NOISE ON OFF

(ON/OFF)

PARAMETER

| TONE NAME | CARTRIDGE NO. | TONE NO. |
|-------------|---------------|----------|
| SYNTH. HARP | | |

| DETUNE | | | | | | | | | |
|--------|--------|---------|----------|--|--|--|--|--|--|
| +1- | OCTAVE | NOTE | FINE | | | | | | |
| + | 0 | 00 | 05 | | | | | | |
| 1.1.5 | (n a) | (0 1.1) | (0 - 60) | | | | | | |

| | VIBE | 00 | CTAVE | | |
|-------|----------|--------|--------|-------|-------|
| WAVE | DELAY | RATE | DEPTH | +/- | RANGE |
| 1 | 51 | 52 | 05 | - | 1 |
| (1-4) | (0 ~ 99) | (0~99) | (0~99) | (+/-) | (0-1) |

DCO 1

LINE SELECT

1 + 2'(1,2,1+2',1+1')

| WAVE | FORM |
|-------|--------|
| FIRST | SECOND |
| 5 | 0 |
| | |

| | | E | ΝV | (PITCI | 국) | | | | |
|---------|-----|---|----|--------|----|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 50 | | | | | | | | (0 ~ 99) |
| LEVEL | 00 | | | | | | | | (0 - 99) |
| SUS/END | END | | | | | | | | |

2

| WAVE FORM | | | | | | |
|-----------|---------|--|--|--|--|--|
| FIRST | SECOND | | | | | |
| 4 | 0 | | | | | |
| (1 ~ B) | (0 - 6) | | | | | |

DCO 2

| | | E | ΝV | (PITCI | -() | | | | |
|---------|-----|---|----|--------|-----|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | | 6 | 7 | 8 | |
| RATE | 50 | | | | | | | | (0 - 99) |
| LEVEL | 00 | | | | | | | | (0 ~ 99) |
| SUS/END | END | | | - | | | | | |

DCW 1

| KEY | FOLLOW | |
|-----|--------|---------|
| | 0 | (0 ~ 9) |

| ■ N V (WAVE) | | | | | | | | | |
|--------------|----|----|-----|-----|---|---|-----|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | . 7 | 8 | |
| RATE | 99 | 50 | 00 | 50 | | | | | (0 - 99) |
| LEVEL | 99 | 30 | 99 | 00 | | | | | (0 ~ 99) |
| SUS/END | | | SUS | END | | | | | } |

DCW 2

| KEY FOLLOW | |
|------------|--------|
| 0 | (0 ~ 9 |

| E N V (WAVE) | | | | | | | | 1 | |
|--------------|----|----|----|-----|-----|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | - 5 | 6 | 7 | 8 |] |
| RATE | 99 | 82 | 46 | 50 | 00 | | | | (0 - 99) |
| LEVEL | 99 | 85 | 60 | 00 | 00 | | | | (0 ~ 99) |
| SUS/END | | | | SUS | END | | | | |

DCA 1

| KEY FOLLOW | |
|------------|-------|
| 0 | (0~9) |

| E ■ V (AMP) | | | | | | | | | |
|-------------|-----|-----|---|---|---|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 90 | 30 | | | | | | | (0 ~ 99) |
| LEVEL | 99 | 00 | | | | | | | (0~99) |
| SUS/END | SUS | END | | | | | | | |

DCA 2

| KEY FOLLOW | |
|------------|--------|
| 0 | (0 - 9 |

| · | | 1 | E N V | (AMP |) | | | | 1 |
|---------|----|----|-------|------|---|---|---|---|------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 99 | 89 | 50 | 50 | | | | | (0 - |
| LEVEL | 99 | 70 | 80 | 00 | | | | | (0 - |
| SUS/END | | | SUS | END | | | | | 1 |

COMMENT Sound sustained when keys held down.

TONE NAME CARTRIDGE NO. TONE NO. **GLASS HARMONICA** PARAMETER MODULATION DETUNE **VIBRATO** OCTAVE LINE SELECT RING NOISE +/- OCTAVE NOTE FINE WAVE DELAY RATE DEPTH +/- RANGE 1 + 1'OFF OFF 2 00 00 1 00 50 + 00 +1 (+/-) (1,2,1+2',1+1')(ON/OFF) (0 - 3)(0 - 11)(0 - 60) $(1 \sim 4)$ $(0 \sim 99)$ (0 - 99)(0 - 99)(+/-) $(0 \sim 1)$ DCO₁ DCO₂ WAVE FORM WAVE FORM SECOND SECOND FIRST FIRST 1 0 $(0 \sim 8)$ (1 - 8) $\{1-6\}$ (0 - 0)E N V (PITCH) E N V (PITCH) STEP 3 4 5 6 8 STEP 3 4 5 6 8 RATE 50 (0 - 99)BATE (0 - 99)LEVEL 00 (0 - 99)LEVEL (0 - 99)SUS/END SUS/END END DCW 1 DCW 2 KEY FOLLOW KEY FOLLOW 0 (0 - 9) $(0 \sim 9)$ E V (WAVE) E N V (WAVE) STEP 4 6 8 STEP 3 6 8 RATE 99 (0 - 99)RATE (0 - 99)LEVEL 00 (0 - 99)LEVEL (0 - 99)SUS/END END SUS/END DCA 1 DCA 2 KEY FOLLOW KEY FOLLOW 0 (0 - 9)(0 + 9)E N V (AMP) E N V (AMP) STEP 6 8 STEP 2 3 2 3 6 8 5 RATE 51 32 36 RATE $(0 \sim 99)$ (0 - 99)

COMMENT The sound produced when the rim of a glass is rubbed.

LEVEL

SUS/END

95

57

SUS END

00

 $(0 \sim 99)$

LÉVEL

SU\$/END

 $(0 \sim 99)$

FANTASTIC SOUND 1

PARAMETER

| | MODUI | ATION | | | |
|-----------------|----------|-------|--|--|--|
| LINE SELECT | RING | NOISE | | | |
| 1 | OFF | OFF | | | |
| (1,2,1+2',1+1') | (ON/OFF) | | | | |

| DETUNE | | | | | | | | | | |
|--------|---------------------------|------|------|--|--|--|--|--|--|--|
| +/- | OCTAVE | NOTE | FINE | | | | | | | |
| + | 0 | 00 | 00 | | | | | | | |
| (+/-) | (+/-) (0-3) (0-11) (0-60) | | | | | | | | | |

| | 00 | CTAVE | | | |
|-------|----------|----------|--------|-------|---------|
| WAVE | DELAY | RATE | DEPTH | +1- | RANGE |
| 1 | 30 | 47 | 3 | + | 1 |
| (1-4) | (0 ~ 99) | (0 – 99) | (0~99) | (+/-) | (0 ~ 1) |

1

DCO 1

| WAVE FORM | | | | | |
|-----------|---------|--|--|--|--|
| FIRST | SECOND | | | | |
| 1 | 0 | | | | |
| (1 ~ 8) | (0 ~ 8) | | | | |

| | | Е | N V | (PITCI | н) | | | 1 |
|---------|-----|---|-----|--------|----|------|---|---|
| STEP | 1 | 2 | 3 | 4 | 5 | 7 | 8 | |
| RATE | 50 | | | | | | | |
| LEVEL | 00 | | | | | | | (|
| SUS/END | END | | | | | | | |

2

DCO 2

| WAVE FORM | | | | | | | |
|-----------|---------|--|--|--|--|--|--|
| FIRST | SECOND | | | | | | |
| | | | | | | | |
| | | | | | | | |
| (1~8) | (O ~ B) | | | | | | |

| | | | N V | (PITCI | -1) | | | | |
|---------|---|----|-----|--------|-----|---|---|---|---------|
| STEP | 1 | iñ | 3 | 4 | _5 | | 7 | В | |
| RATE | | | | | | | | | (0~91 |
| LEVEL | | | | | | | | | (0 ~ 9) |
| SUS/END | | | | | | _ | | | |

DCW 1

| KEY FOLLOW | |
|------------|---------|
| 0 | (0 - 9) |

| | | - 1 | NV | (WAV | E) | | |] |
|---------|-----|-----|----|------|-----|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | - 5 | 6 | 7 | |
| RATE | 99 | | | | | | | (0 ~ 99) |
| LEVEL | 00 | | | | | | | (0~99) |
| SUS/END | END | | | | | | | |

DCW 2

99)

| KEY | FOLLOW | |
|-----|--------|--------|
| | | (0 ~ 9 |

| | | 8 | . ■ V | (WAV | E) | | | | 1 |
|---------|---|---|-------|------|----|---|---|---|---------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | | | | | | | | | (0-99 |
| LEVEL | | | | | | | | | (0 - 99 |
| SUS/END | | | | | | - | | | |

DCA 1

| KEY FOLLOW | |
|------------|---------|
| 1 | (0 - 9) |

| E N V (AMP) | | | | | | | | | |
|-------------|----|-----|----|----|----|----|-----|---|------|
| STEP | 1 | 2 | 3 | 4 | _5 | 6 | 7 | В | |
| RATE | 75 | 75 | 49 | 49 | 49 | 49 | 39 | | (0- |
| LEVEL | 99 | 84 | 43 | 67 | 24 | 61 | 00 | | (0 - |
| SUS/END | | SUS | | | | | END | | |

DCA 2

| KEY FOLLOW | |
|------------|------|
| | (0~9 |

| | | Ī | E N V | (AMP |) | | | | 1 |
|---------|---|---|-------|------|---|---|---|---|------|
| STEP | 1 | 2 | 3 | _4 | 5 | 6 | 7 | 8 | |
| RATE | | | | | | | | | (0 ~ |
| LEVEL | | | | | | | | | (0 - |
| SUS/END | | | | | | | | | |

COMMENT

Fantasy timbre with echo effect when key is released.

TONE NAME CARTRIDGE NO. TONE NO. FANTASTIC SOUND 2

PARAMETER

| | MODUL | _ATION |
|-----------------|-------|--------|
| LINE SELECT | RING | NOISE |
| 1 | OFF | OFF |
| (1,2,1+2',1+1') | (ON/ | OFF) |

| | DETUNE | | | | | | | | | | | |
|-------|---------|----------|----------|--|--|--|--|--|--|--|--|--|
| +1- | OCTAVE | NOTE | FINE | | | | | | | | | |
| + | 0 | 00 | 00 | | | | | | | | | |
| [+/-] | (0 + 3) | (0 ~ 11) | (0 ~ 60) | | | | | | | | | |

| [| | 00 | CTAVE | | | |
|----|---------|--------|----------|----------|-------|---------|
| -[| WAVE | DELAY | RATE | DEPTH | +1- | RANGE |
| | 1 | 71 | 40 | 39 | + | 0 |
| | (1 ~ 4) | (0~99) | (0 ~ 99) | (0 ~ 99) | (+/-) | (0 ~ 1) |

\blacksquare

DCO 1

| WAVE FORM | | | | | | | |
|-----------|--------|--|--|--|--|--|--|
| FIRST | SECOND | | | | | | |
| 1 | 0 | | | | | | |
| | _ | | | | | | |

| | E N V (PITCH) | | | | | | | | | | | | | |
|---|---------------|----|----|-----|-----|---|---|---|---|----------|--|--|--|--|
| | STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | | | | |
| | RATE | 64 | 64 | 64 | 00 | | | | | (0 ~ 99) | | | | |
| i | LEVEL | 64 | 65 | 66 | 00 | | | | | (0 ~ 99) | | | | |
| | SUS/END | | | SUS | END | | | | | | | | | |

2

DCO 2

| WAVE FORM | | | | | | | |
|-----------|---------|--|--|--|--|--|--|
| FIRST | SECOND | | | | | | |
| | | | | | | | |
| | | | | | | | |
| (1 ~ 8) | (0 ~ 8) | | | | | | |

| | | | N V | (PITCI | H) | | | |
|---------|---|---|-----|--------|----|---|---|--------|
| STEP | 1 | 2 | 3 | 4 | 5 | 7 | 8 | } |
| RATE | | | | | | | | (0 ~ 8 |
| LEVEL | | | | | | | | (0 ~ 6 |
| SUS/END | | | | | | | Ì | |

DCW 1

| KĚY | FOLLOW | |
|-----|--------|---------|
| | | (0 ~ 9) |

| E N V (WAVE) | | | | | | | | | | | | |
|--------------|----|----|-----|---|---|---|---|---|----------|--|--|--|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 6 | | | | |
| RATE | 20 | 28 | 00 | | ļ | | | | (0 - 99) | | | |
| LEVEL | 46 | 00 | 00 | | | | | | (0 ~ 99) | | | |
| SUS/END | | | END | | | | | | | | | |

DCW 2

| KEY | FOLLOW | |
|-----|--------|---------|
| | | (0 ~ 9) |
| | | (0 - 8 |

| E W V (WAVE) | | | | | | | | | | | |
|--------------|------|---|---|---|---|---|---|---|------|--|--|
| STEP | . 1. | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | | |
| RATE | | | | | | | | | (0-9 | | |
| LEVEL | | | | | | | | | (0~9 | | |
| SUS/END | | | | | | | | |] | | |

DCA 1

| KEY FOLLOW |] |
|------------|---------|
| 0 | (0 - 9) |

| E N V (AMP) | | | | | | | | | |
|-------------|-----|----|----|----|----|----|----|-----|--------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 84 | 38 | 70 | 44 | 73 | 47 | 73 | 29 | (0~99) |
| LEVEL | 99 | 34 | 76 | 38 | 83 | 38 | 87 | 00 | (0~99) |
| SHS/END | SHS | | | | | | | FND | |

DCA 2

| KEY | FOLLOW | |
|-----|--------|------|
| | | (0~9 |
| | | (0 4 |

| E ■ V (AMP) | | | | | | | | | |
|-------------|---|---|---|---|---|--|---|---|------|
| STEP | 1 | 2 | 3 | 4 | 5 | | 7 | 8 | |
| RATE | | | | | | | | | (0~9 |
| LEVEL | | | | | | | | | (0-9 |
| SHS/END | | | | | | | | | |

COMMENT Complex movement after keys are released.

TONE NAME CARTRIDGE NO. TONE NO. **FANTASTIC SOUND 3**

PARAMETER

| | MODULATION | | | | |
|-----------------|------------|-------|--|--|--|
| LINE SELECT | RING | NOISE | | | |
| 1+2' | OFF | OFF | | | |
| (1,2,1+2',1+1') | (ON/QFF) | | | | |

| | DETUNE | | | | | | | | |
|--------|---------|----------|----------|--|--|--|--|--|--|
| +1- | OCTAVE | NOTE | FINE | | | | | | |
| + | 0 | 00 | 06 | | | | | | |
| (+1-1) | (0 - 3) | (0 ~ 11) | (0 ~ 60) | | | | | | |

| | VIBR | 00 | CTAVE | | |
|---------|----------|----------|----------|-------|-------|
| WAVE | DELAY | RATE | DEPTH | +1- | RANGE |
| 1 | 00 | 50 | 00 | + | 0 |
| (1 ~ 4) | (0 ~ 99) | (0 ~ 99) | (0 ~ 99) | (+1-) | (0-1) |

DCO 1

| WAVE FORM | | | | | | |
|-----------|--|--|--|--|--|--|
| SECOND | | | | | | |
| | | | | | | |
| 0 | | | | | | |
| (0 - 8) | | | | | | |
| | | | | | | |

| | | - | ₩ V | (PITCI | H) | | | |] |
|---------|----|-----|-----|--------|----|---|---|---|----|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 99 | 90 | | | | | | | {0 |
| LEVEL | 46 | 00 | | | | | | | {0 |
| SUS/END | | END | | | | | | | |

2

- 99}

- 99)

DCO 2

| WAVE FORM | | | | | | | |
|-----------|---------|--|--|--|--|--|--|
| FIRST | SECOND | | | | | | |
| 1 | 0 | | | | | | |
| /1 - RI | (0 ~ 8) | | | | | | |

| | | 2 | III V | (PITCI | ⊣) | | | | |
|---------|----|-----|-------|--------|----|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 99 | 90 | | | | | | | (0 ~ 99) |
| LEVEL | 99 | 00 | | | | | | | (0 - 99) |
| SUS/END | | END | | | | | | | |

DCW 1

| KEY FOLLOW | |
|------------|---------|
| 0 | (0 ~ 9) |

| | | Е | N V | (WAVI | Ε) | | | | |
|---------|-----|---|-----|-------|-----|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | - 5 | 6 | 7 | 8 | |
| RATE | 99 | | | | | | | | (0 - 99) |
| LEVEL | 00 | | | | | | | | (0~99) |
| SUS/END | END | | | | | | | | |

DCW 2

| KEY FOLLOW | |
|------------|---------|
| 0 | (0 - 9) |

| | | E | III V | (WAV | E) | | | | |
|---------|-----|---|-------|------|----|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |] |
| RATE | 99 | | | | | | | | (0 ~ 99) |
| LEVEL | 00 | | | | | | | | (0 ~ 99) |
| SUS/END | END | | | | | | | | |

DCA 1

| İ | KEY FOLLOW | |
|---|------------|---------|
| | 0 | (0 - 9) |

| | | E | E N V | (AMP |) | | | | |
|---------|-----|----|-------|------|----|----|----|-----|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 99 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | (0 99) |
| LEVEL | 99 | 35 | 85 | 35 | 70 | 35 | 55 | 00 | (0 – 99) |
| SUS/END | SUS | | | | | | | END | |

DCA 2

| KEY FOLLOW | |
|------------|------|
| 0 | (0~9 |

| | | - 1 | I N V | (AMP | } | | | | |
|---------|-----|-----|-------|------|----|----|----|-----|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 99 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | (0 ~ 99) |
| LEVEL | 55 | 35 | 80 | 35 | 70 | 35 | 55 | 00 | (0 - 99) |
| SUS/END | SUS | | | | | | | END | |

COMMENT Fantasy sound with characteristic attack and release.

FANTASTIC SOUND 4

PARAMETER

| | MODULATION | | | | |
|---------------------|------------|-------|--|--|--|
| LINE SELECT | RING | NOISE | | | |
| 1+2' | OFF | ON | | | |
| $\{1,2,1+2',1+1'\}$ | (ON/OFF) | | | | |

| DETUNE | | | | | | |
|--------|---------|----------|----------|--|--|--|
| +/- | OCTAVE | NOTE | FINE | | | |
| + | 2 | 2 00 | | | | |
| (+/-) | (0 ~ 3) | (0 ~ 11) | (0 ~ 60) | | | |

| VIBRATO | | | | | | |
|---------|----------|----------|----------|--|--|--|
| WAVE | DELAY | RATE | DEPTH | | | |
| 1 | 00 | 50 | 00 | | | |
| (1-4) | (0 ~ 99) | (0 - 99) | (0 ~ 99) | | | |

| OCTAVE | | | |
|--------|-------|--|--|
| +/- | RANGE | | |
| + | 0 | | |
| (+/-) | (0~1) | | |

1

DCO 1

| WAVE FORM | | | | | |
|-----------|---------|--|--|--|--|
| FIRST | SECOND | | | | |
| 1 | 0 | | | | |
| (1 ~ 8) | (0 - 6) | | | | |

| | | E | N V | (PITCI | H) | | | | 1 |
|---------|-----|---|-----|--------|----|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 50 | | | | | | | | (0 - 99) |
| LEVEL | 00 | | | | | | | | (0 ~ 99) |
| SUS/END | END | | | | | | | | |

2

DCO 2

| WAVE FORM | | | | | | | |
|-----------|---------|--|--|--|--|--|--|
| FIRST | SECOND | | | | | | |
| 3 | 0 | | | | | | |
| (1 ~ B) | (0 - 8) | | | | | | |

| | | Е | N V | (PITC | H) | | | | 1 |
|---------|-----|---|-----|-------|----|---|---|---|---------|
| STEP | 1 | 2 | 3 | 4 | -5 | 6 | 7 | 8 | |
| RATE | 50 | | | | | | | | (0 ~ 98 |
| LEVEL | 00 | | | | | | | | (0~98 |
| SUS/END | END | | | 1 | | | | 1 | |

DCW 1

| | KEY FOLLOW | |
|---|------------|-------|
| İ | 0 | (0 9) |

| | | E | N V | (WAVI | Ξ) | | | |] |
|---------|-----|---|-----|-------|----|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 99 | | | | | | | | (0 - 99) |
| LEVEL | 00 | | | | | | | | (0 - 99) |
| SUS/END | END | | | Ĺ | | | | | |

DCW 2

| | | Ε | N V | (WAVE | Ξ) | | | | 1 |
|---------|----|-----|-----|-------|----|---|---|---|---------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |] |
| RATE | 99 | 12 | | | | | | | (0 - 99 |
| LEVEL | 44 | 00 | | | | | | | (0 ~ 99 |
| SUS/END | | END | | | | | | | 1 |

DCA 1

| KEY FOLLOW | |
|------------|---------|
| 0 | (0 ~ 9) |

| | _ | - 1 | E III V | (AMP |) | | | | |
|---------|-----|-----|---------|------|---|---|---|---|----------|
| STEP | 1 | _2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 97 | 37 | | | | | | | (0 ~ 99) |
| LEVEL | 99 | 00 | | | | | | | {0 ~ 99} |
| SUS/END | SUS | END | | | | | | | |

DCA 2

| KEY FOLLOW | |
|------------|--------|
| 0 | (0 ~ 9 |

| | | [| E N V | (AMP |) | | | |
|---------|----|-----|-------|------|---|---|---|---------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | |
| RATE | 99 | 49 | | | | | | (0 ~ 99 |
| LEVEL | 63 | 00 | | | | | | (0 ~ 99 |
| SUS/END | | END | | | | | | |

COMMENT

Fantasy sound using NOISE MODULATION.

TONE NAME CARTRIDGE NO. TONE NO. **OLD-FASHIONED SOUND**

PARAMETER

| | | MODUL | ATION | |
|-----------------|----------|-------|-------|--|
| LINE SELECT | | RING | NOISE | |
| 1+1' | : | OFF | OFF | |
| (1.2.1+2'.1-1') | (ON/OFF) | | | |

| | DETUNE | | | | | | | | | |
|-------|----------------------|----------|----------|--|--|--|--|--|--|--|
| +/- | +/- OCTAVE NOTE FINE | | | | | | | | | |
| + | 1 | 07 | 00 | | | | | | | |
| (+/-) | (0 ~ 3) | (0 ~ 11) | (0 ~ 60) | | | | | | | |

| | VIBE | ATO | | | 0 | CTAVE |
|---------|----------|----------|----------|------|-----|-------|
| WAVE | DELAY | RATE | DEPTH | +/- | _ | RANGE |
| 1 | 00 | 50 | 00 | | | 1 |
| (1 ~ 4) | (0 - 99) | (0 – 99) | (0 ~ 99) | [+/- | -) | (0-1) |

DCO 1

| WAVE FORM | | | | | | | | |
|-----------|---------|--|--|--|--|--|--|--|
| FIRST | SECOND | | | | | | | |
| 2 | 8 | | | | | | | |
| (1~8) | (0 - 8) | | | | | | | |

| E N V (PITCH) | | | | | | | | | | |
|---------------|----|-----|---|---|---|---|---|--|----------|--|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | | | |
| RATE | 99 | 95 | | | | | | | (0 - 99) | |
| LEVEL | 73 | 00 | | | | | | | (0 ~ 99) | |
| SUS/END | - | END | | | | | | | | |

2

DCO 2

| WAVE FORM | | | | | | | |
|-----------|---------|--|--|--|--|--|--|
| FIRST | SECOND | | | | | | |
| | | | | | | | |
| | | | | | | | |
| (1 - 8) | /O ~ 8\ | | | | | | |

| | | E | ΝV | (PITC) | -I) | | | | 1 |
|---------|---|---|----|--------|-----|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | | 6 | 7 | В | |
| RATE | | | | | | | | | (0 - 99) |
| LEVEL | | | | | | | | | (0 - 99) |
| SUS/END | | | | | | | | | |

DCW 1

| KEY | FOLLOW . | |
|-----|----------|---------|
| | 0 | (0 - 9) |

| E N V (WAVE) | | | | | | | | | | |
|--------------|----|----|----|----|----|----|-----|-----|----------|--|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | |
| RATE | 99 | 25 | 25 | 25 | 25 | 25 | 25 | 01 | (0 ~ 99) | |
| LEVEL | 15 | 20 | 15 | 20 | 15 | 20 | 15 | 00 | (0 ~ 99) | |
| SUS/END | | | | | | | SUS | END | | |

| - 67% | 470.1 | 400 | 475 |
|-------|-------|--------|-----|
| - 11 | | unur - | ., |

| KEY FOLLOW | |
|------------|---------|
| | (0 - 9) |

| | E N V (WAVE) | | | | | | | | | | | |
|---|--------------|---|---|---|---|---|---|---|---|----------|--|--|
| | STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | | |
| | RATE | | | | | | | | | (0 - 99) | | |
| | LEVEL | | | | | | | | | (0 - 99) | | |
| l | SUS/END | | | | | | | | | | | |

DCA 1

| KEY FOLLOW | |
|------------|---------|
| 0 | (0 ~ 9) |

| E N V (AMP) | | | | | | | | | | |
|-------------|----|----|-----|---|---|---|---|---|----------|--|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | В | | |
| RATE | 99 | 65 | 30 | | | | | | (0 ~ 99) | |
| LEVEL | 99 | 90 | 00 | | | | | | (0~99) | |
| SUS/END | | | END | | | | | | | |

DCA 2

| KEY FOLLOW | |
|------------|---------|
| | (0 - 9) |
| | (0 0, |

| | | 6 | ∃ N V | (AMP |) | | | | |
|---------|---|---|-------|------|---|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | | | | | | | | | (0~99) |
| LEVEL | | | | | | | | | (0 – 99) |
| SUS/END | | | | | | | | | |

COMMENT

CAVERNOUS SOUND

PARAMETER

| | MOOUL | ATION |
|-----------------|-------|-------|
| LINE SELECT | RING | NOISE |
| 1+1' | ON | OFF |
| (1,2,1+2',1+1') | (ON/ | OFF) |

| DETUNE | | | | | | | | |
|--------|---------|----------|----------|--|--|--|--|--|
| +/- | OCTAVE | NOTE | FINE | | | | | |
| _ | 3 | 03 | 26 | | | | | |
| (+/-1 | (0 ~ 3) | (0 - 11) | (0 ~ 60) | | | | | |

| VIBRATO | | | | | | | | |
|---------|--------|--------|----------|--|--|--|--|--|
| WAVE | DELAY | RATE | DEPTH | | | | | |
| 2 | 00 | 89 | 38 | | | | | |
| (1 ~ 4) | (0 99) | (0~99) | (0 - 99) | | | | | |

| 0 | OCTAVE | | | | | |
|-----|--------|--|--|--|--|--|
| +1- | RANGE | | | | | |
| + | 1 | | | | | |
| | 48. 41 | | | | | |

1

DCO 1

| WAVE | FORM |
|---------|---------|
| FIRST | SECOND |
| 2 | 3 |
| (1 - 8) | (0 - B) |

| | | E | ■ V | (PITC | H) | | | | 1 |
|---------|-----|---|-----|-------|----|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 50 | | | | | | | | (0 ~ 99) |
| LEVEL | 00 | | | | | | | | (0 ~ 99) |
| SUSJEND | END | | | | | | | | |

2

DCO 2

| WAVE | FORM |
|-------|--------|
| FIRST | SECOND |
| | |
| | |
| 14 01 | 400 00 |

| (1 ~ 8) | (0 - 8) |
|---------|---------|
| (1~0) | (U ~ 0) |

| | | Е | N V | (PITCI | ⊣) | | | |
|---------|---|---|-----|--------|------------|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | |
| RATE | | | | | | | | (0 ~ 99) |
| LEVEL | | | | | | | | (0 ~ 99) |
| SUS/END | | | | | | | | |

DCW 1

| KEY FOLLOW | |
|------------|---------|
| 0 | (0 ~ 9) |

| | | | NV | (WAVI | E) | | | | |
|---------|-----|---|----|-------|----|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 99 | | | | | | | | (0 ~ 99) |
| LEVEL | 00 | | | | | | | | (0 ~ 99) |
| SUS/END | END | | | | | | | |] |

DCW 2

| KEY FOLLOW | |
|------------|-------|
| | |
| | (0~9) |
| | |

| | | | N V | (WAVI | E) | | | | |
|---------|---|---|-----|-------|----|---|---|---|---------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | | | | | | | | | (0 - 99 |
| rever | | | | | | | | | (0 ~ 99 |
| SUS/END | | | | | | | | | |

DCA 1

| KEY FOLLOW | |
|------------|---------|
| 4 | (0 ~ 9) |

| | | | E N V | (AMP |) | | | | |
|----------|----|----|-------|------|---|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 99 | 50 | 40 | 30 | | | | | (0 ~ 99) |
| LEVEL | 99 | 94 | 75 | 00 | | | | | (0 ~ 99) |
| OUIGIEND | | - | 1 | CNIC | | | 1 | Г | |

DCA 2

| KEY | FOLLOW | |
|-----|--------|---------|
| | | |
| | | (0 - 9) |

| | | Ī | E W V | (AMP |) | | | | |
|---------|---|---|-------|------|---|---|---|---|---------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | | | | | | | | | (0~98 |
| LEVEL | | | | | | | | | (0 ~ 95 |
| SUS/END | | | 1 | | | 1 | 1 | | |

COMMENT Sound just like playing in cavern.

TONE NAME CARTRIDGE NO. TONE NO. **DANGEROUS SOUND 1**

PARAMETER

| | MODUI | ATION |
|-----------------|-------|-------|
| LINE SELECT | RING | NOISE |
| 1+2' | OFF | OFF |
| (1,2,1+2',1+1') | /ONE | OFF) |

| DETUNE | | | | | |
|--------|---------|----------|----------|--|--|
| +1- | OCTAVE | NOTE | FINE | | |
| + | 3 | 07 | 03 | | |
| (+l-) | (0 - 3) | (0 - 11) | (0 ~ 60) | | |

| I | | VIBR | ATO | | | 00 | TAVE |
|---|---------|--------|----------|----------|------|----|---------|
| | WAVE | DELAY | RATE | DEPTH | +/- | -] | RANG |
| l | 2 | 60 | 52 | 73 | + | Ī | 0 |
| | {1 ~ 4} | (0~99) | (0 - 99) | (0 ~ 99) | {+1- |) | (0 - 1) |

RANGE 0 (0 - 1)

| m | - | _ | - |
|---|---|---|---|
| ı | 4 | ī | П |
| ı | | | 1 |

DCO 1

| WAVE FORM | | | | | |
|-----------|---------|--|--|--|--|
| FIRST | SECOND | | | | |
| 1 | 3 | | | | |
| (1 ~ B) | (0 ~ 8) | | | | |

| E N V (PITCH) | | | | | | | | | | | | |
|---------------|-----|---|---|---|---|---|---|---|----------|--|--|--|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | | | |
| RATE | 50 | | | | | | | | (0 ~ 99) | | | |
| LEVEL | 00 | | | | | | | | (0 - 99) | | | |
| SUS/END | END | | | | | | | | | | | |

2

DCO 2

| WAVE FORM | | | | | | |
|-----------|---------|--|--|--|--|--|
| FIRST | SECOND | | | | | |
| 1 | 0 | | | | | |
| (1 ~ 8) | (0 ~ 8) | | | | | |

| | | ji | I N V | (PITC | H) | | | | 1 |
|---------|-----|----|-------|-------|----|---|---|---|--------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | В | |
| RATE | 50 | | | | | | | | (0 - 9 |
| LEVEL | 00 | | | | | | | | (0~9 |
| SUS/END | END | | | | | | | | |

DCW 1

| KEY FOLLOW | |
|------------|--------|
| 0 | (0 - 9 |

| E ■ V (WAVE) | | | | | | | | | | | | |
|--------------|----|----|-----|-----|---|---|---|---|----------|--|--|--|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | | | |
| RATE | 00 | 55 | 40 | 28 | | | | | (0 ~ 99) | | | |
| LEVEL | 01 | 99 | 70 | 00 | | | | | (0 ~ 99) | | | |
| SUS/END | | | SUS | END | | | | |] | | | |

DCW 2

| KEY FOLLOW | |
|------------|---------|
| 9 | (0 ~ 9) |

| | | E | N V | (WAV | E) | | | | 7 |
|---------|-----|-----|-----|------|----|---|---|---|--------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 99 | 99 | | | | | | | (0~99) |
| LEVE! | 40 | 00 | | | | | | | (0~99) |
| SUS/END | SUS | END | | | | | | | |

DCA 1

| KEY FOLLOW | |
|------------|---------|
| 0 | (0 ~ 9) |

| ■ N V (AMP) | | | | | | | | | | | | |
|-------------|----|-----|-----|---|---|---|---|---|--------|--|--|--|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | В | | | | |
| RATE | 94 | 55 | 35 | | | | | | (0-99) | | | |
| LEVEL | 99 | 90 | 00 | | | | | | (0-99) | | | |
| SUS/ENO | | SUS | END | | | | | | 1 | | | |

DCA 2

| KEY | FOLLOW | |
|-----|--------|--------|
| | 3 | (0 -9) |

| i | | | Ī | ENV | (AMP |) | | | | |
|---|---------|----|-----|------|------|---|---|---|---|---------|
| | STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| | RATE | 99 | 56 | 38 | | | | | | (0 ~ 99 |
| | LEVEL | 44 | 28 | 00 | | | | | | (0 - 99 |
| | SUS/END | | SUS | END. | | | | | | |

COMMENT

Nothing special as each is pressed. But try holding a keys down.

| TONE NAME | CARTRIDGE NO. | TONE NO. |
|-------------------|---------------|----------|
| DANGEROUS SOUND 2 | | |

PARAMETER

| | MODUL | ATION | | | |
|-----------------|----------|-------|--|--|--|
| LINE SELECT | RING | NOISE | | | |
| 1+2' | ON | OFF | | | |
| (1,2,1+2',1+1') | (ON/OFF) | | | | |

| DETUNE | | | | | | | | | |
|--------|---------|----------|----------|--|--|--|--|--|--|
| +/- | OCTAVE | NOTE | FINE | | | | | | |
| + | 2 | 09 | 45 | | | | | | |
| (+/-) | (0 ~ 3) | (0 ~ 11) | (0 ~ 60) | | | | | | |

| | OCTAVE | | | | | | |
|-------|--------|----------|---------------|------|-----------|--|--|
| WAVE | DELAY | RATE | DEPTH +/- RAN | | | | |
| 4 | 69 | 83 | 99 | + | 1 | | |
| (1-4) | (0-99) | (0 ~ 99) | (0 99) | (+1- |) (0 - 1) | | |

1

DCO 1

| WAVE FORM | | | | | | |
|-----------|--------|--|--|--|--|--|
| FIRST | SECOND | | | | | |
| 2 | 0 | | | | | |
| (1 ~ 8) | (8-0) | | | | | |

| | É N V (PITCH) | | | | | | | | |
|---------|---------------|---|---|---|---|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 50 | | | | | | | | (0 - 99) |
| LEVEL | 00 | | | | | | | | (0 - 99) |
| SUS/END | END | | | | | | | | 1 |

2

DCO 2

| WAVE | FORM |
|---------|---------|
| FIRST | SECOND |
| 2 | 0 |
| (1 ~ 8) | (0 ~ B) |

| | ■ V (PITCH) | | | | | | | | |
|---------|-------------|---|---|---|---|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 50 | | | | | | | | (0 ~ 99) |
| LEVEL | 00 | | | | | | | | (0~99) |
| SUS/END | END | | | | | | | | |

DCW 1

| KEY FOLLOW | |
|------------|---------|
| 1 | (0 ~ 9) |

| | ■ N V (WAVE) | | | | | | | | | |
|---------|--------------|-----|---|---|---|---|---|---|----------|--|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | |
| RATE | 99 | 12 | | | | | | | (0 ~ 99) | |
| LEVEL | 12 | 00 | | | | | | | (0 - 99) | |
| SUS/END | | END | | | | | | | | |

DCW 2

| KEY FOLLOW | |
|------------|---------|
| 1 | (0 - 9) |

| 1 | ■ N V (WAVE) | | | | | | | | |
|----------|--------------|---|---|---|---|---|-----|----|---------|
| | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | STEP |
| (0 - 99) | | | | | | | 17 | 98 | RATE |
| (0 ~ 99) | | | | | | | 00 | 65 | LEVEL |
| 1 | | | | | | | END | | SUS/END |

DCA 1

| KEY FOLLOW | |
|------------|---------|
| 4 | (0 ~ 9) |

| | | | = V | (AMP |) | | | | |
|---------|----|-----|-----|------|---|---|-----|---|-------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 95 | 17 | | | | | | | (0 ~! |
| LEVEL | 99 | 00 | | | | | | | {0~! |
| SUS/END | | END | | | | | Î T | | |

DCA 2

| KEY FOLLOW | |
|------------|--------|
| 2 | (0 - 9 |

| ■ N V (AMP) | | | | | | | | | |
|-------------|----|-----|---|---|---|---|---|---|----------|
| STEP | 1 | . 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 99 | 50 | | | | | | | (0~99) |
| LEVEL | 99 | 00 | | | | | | | (0 ~ 99) |
| SUS/END | | END | | | | | | | |

COMMENT Rectangular vibrato waveform for characteristic sound.

SOUND DATA - 72

TONE NAME CARTRIDGE NO. TONE NO. LASER GUN 1

PARAMETER

| | MODUL | ATION | | |
|-------------------|-------|-------|--|--|
| LINE SELECT | RING | NOISE | | |
| 1+1' | ON | OFF | | |
| (1.2.1 + 2.1 - 1) | (ON/ | OFF) | | |

| DETUNE | | | | | | | | |
|--------|--------------|----------|----------|--|--|--|--|--|
| +1- | OCTAVE | FINE | | | | | | |
| + | 0 | 01 | 06 | | | | | |
| (+/-) | $(0 \sim 3)$ | (0 ~ 11) | (0 ~ 60) | | | | | |

| | VIBE | RATO | | 0 | СТ |
|---------|----------|----------|----------|-------|----|
| WAVE | DELAY | RATE | DEPTH | +/- | F |
| 1 | 36 | 66 | 46 | + | |
| (1 ~ 4) | (0 - 99) | (0 ~ 99) | (0 - 99) | (+1-) | _ |

| OCTAVE | | | | | | |
|--------|---------|--|--|--|--|--|
| +/- | RANGE | | | | | |
| + | 0 | | | | | |
| (+1-) | (0 - 1) | | | | | |

1

DCO 1

| WAVE FORM | | | | | | |
|-----------|--------|--|--|--|--|--|
| FIRST | SECOND | | | | | |
| 2 | 3 | | | | | |
| | | | | | | |

| | | | ■ V | (PITCI | н) | | | | 7 |
|---------|-----|----|-----|--------|----|----|---|---|----|
| STEP | 1 | 2 | 3 | 4 | 5 | -6 | 7 | 8 | |
| RATE | 55 | 54 | 00 | | | | | | ((|
| LEVEL | 82 | 39 | 00 | | | | | | (1 |
| SUS/END | SUS | | END | | | | | | |

2

- 99)

~ 99)

DCO 2

| WAVE FORM | | | | | | | |
|-----------|---------|--|--|--|--|--|--|
| FIRST | SECOND | | | | | | |
| | | | | | | | |
| | | | | | | | |
| (1 - B) | (0 - 8) | | | | | | |

| | | E | NV | (PITCI | H) | | | |] |
|---------|---|---|----|--------|----|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | | | | | | | | | (0 - 99) |
| LEVEL | | | | | | | | | (0 ~ 99) |
| SUS/END | | | | | | | | | |

DCW 1

| KEY FOLLOW | |
|------------|---------|
| 4 | (0 - 9) |

| | | Е | ■ V | (WAVI | Ξ) | | | |] |
|---------|-----|----|-----|-------|----|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 82 | 26 | 00 | | | | | | (0 - 99) |
| LEVEL | 92 | 45 | 00 | | | | | | (0 ~ 99) |
| SUS/END | SUS | | END | | | | | | |

DCW 2

| KEY FOLL | .OW |
|----------|--------|
| | (0 ~ 9 |

| | | | ΝV | (WAVI | Ξ) | _ | | | |
|---------|---|---|----|-------|----|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |] |
| RATE | | | | | | | | | (0 - 99) |
| LEVEL | | | | | | | | | (0 ~ 99) |
| SUS/END | | | | | | | | | |

DCA 1

| KEY FOLLOW | |
|------------|---------|
| 0 | (0 - 9) |

| E N V (AMP) | | | | | | | | | |
|-------------|------|----|-------|---|---|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 62 | 37 | 45 | | | | | | (0 - 99) |
| LEVEL | 99 | 68 | 00 | | | | | | (0 – 99) |
| DUDUENIA | 0110 | | - 1/- | | | | | | |

DCA 2

| KEY FOLLOW | |
|------------|--------|
| | (0 - 1 |

| | | 3 | E N V | (AMP |) | | | | 1 |
|---------|---|---|-------|------|---|---|---|---|---------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | | | | | | | | | (0 - 99 |
| LEVEL | | | | | | | | | (0 - 99 |
| SUS/END | | | | | | - | 1 | _ | |

COMMENT

TONE NAME CARTRIDGE NO. TONE NO. LASER GUN 2

PARAMETER

| | MODUL | ATION |
|-----------------|-------|-------|
| LINE SELECT | RING | NOISE |
| 1+1' | ON | OFF |
| (1.2.1+2'.1+1') | (ON/ | OFF) |

| | DETUNE | | | | | |
|-------|---------|----------|----------|--|--|--|
| +1- | OCTAVE | NOTE | FINE | | | |
| + 0 | | 00 | 07 | | | |
| (+1-1 | (0 - 3) | (0 ~ 11) | (0 - 60) | | | |

| | VIBR | 0 | CTAVE | | |
|-------|----------|----------|----------|-------|---------|
| WAVE | DELAY | RATE | DEPTH | +1- | RANGE |
| 4 | 00 | 81 | 99 | + | 1 |
| (1-4) | (0 - 99) | (0 - 99) | (0 - 99) | (+1-) | (0 - 1) |

1

DCO 1

| WAVE FORM | | | | | |
|-----------|---------|--|--|--|--|
| FIRST | SECOND | | | | |
| 1 | 0 | | | | |
| (1 - 8) | (0 ~ 8) | | | | |

| | | E | M V | (PITC) | -() | | |] |
|---------|----|-----|-----|--------|-----|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5_ | 6 | 7 | |
| RATE | 99 | 91 | | | | | | (0 - 99) |
| rever | 72 | 00 | | | | | | (0 ~ 99) |
| SUS/END | | END | | | | | | |

2

DCO 2

| WAVE | FORM |
|---------|---------|
| FIRST | SECOND |
| | |
| | |
| (1 ~ 8) | (0 ~ 8) |

| | | E | N V | (PITC) | 1) | | | | |
|---------|---|---|-----|--------|----|---|---|----|---------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | -8 | |
| RATE | | | | | | | | | (0 - 99 |
| LEVEL | | | | | | | | | (0 ~ 99 |
| SUS/END | | | | | | | | | |

DCW 1

| KEY FOLLOW | |
|------------|---------|
| 0 | (0 - 9) |

| | | E | N V | (WAVI | =) | | | | |
|---------|----|-----|-----|-------|------------|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 99 | 76 | | | | | | | (0 ~ 99) |
| LEVEL | 99 | 00 | | | | | | | (0 - 99) |
| SUS/END | | END | | | | | | |) |

DCW 2

| KEY FOLLOW | |
|------------|---------|
| | (0 ~ 9) |
| | (0 - 3) |

| | | Е | N V | (WAVI | E) | | | | |
|---------|---|---|-----|-------|----|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| HATE | | | | | | | | | (0~99) |
| LEVEL | | | | | | | | | (0 ~ 99) |
| SUS/END | | | | | | | | | |

DCA 1

| KEY FOLLOW | |
|------------|---------|
| 0 | (0 - 9) |

| | | E | ENV | (AME |) | | | | |
|---------|----|-----|-----|------|-----|---|---|---|---------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| PATE | 99 | 55 | 50 | 25 | 60 | | | | (0 ~ 99 |
| LEVEL | 99 | 90 | 60 | 00 | 00 | | | | (0 ~ 99 |
| SUS/END | | SUS | | | END | | | | |

DCA 2

| KEY | FOLLOW | |
|-----|--------|------|
| | | |
| | | (0-5 |

| | | - | E N V | TAMP |) | | | | |
|---------|---|---|-------|------|---|---|---|---|------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| PATE | | | | | | | | | {0 - |
| , LEVEL | | | | | | | | | (0 ~ |
| SUS/END | | | | | | | | | 1 |

COMMENT Like sound used in TV games.

TONE NAME CARTRIDGE NO. TONE NO. **ANIMATION SOUND**

PARAMETER

| | MODUL | ATION | | |
|-----------------|----------|-------|--|--|
| LINE SELECT | RING | NOISE | | |
| 1+1' | ON | OFF | | |
| (1,2,1+2',1+1') | (ON/OFF) | | | |

| | DETUNE | | | | | | | | | | |
|-------|---------|--------|----------|--|--|--|--|--|--|--|--|
| +1- | OCTAVE | NOTE | FINE | | | | | | | | |
| + | 2 | 11 | 00 | | | | | | | | |
| 1-1-1 | (0 ~ 3) | (0~11) | (0 ~ 60) | | | | | | | | |

| | 0 | CTAVE | | | |
|-------|----------|----------|----------|------|------|
| WAVE | DELAY | RATE | DEPTH | +/ | HANG |
| 1 | 00 | 41 | 88 | + | 1 |
| {1-4} | (0 ~ 99) | (0 ~ 99) | (0 - 99) | (+/- | (0~1 |

DCO 1

| WAVE FORM | | | | | | | | |
|-----------|---------|--|--|--|--|--|--|--|
| FIRST | SECOND | | | | | | | |
| 4 | 0 | | | | | | | |
| (1~8) | (0 ~ B) | | | | | | | |

| E ■ V (PITCH) | | | | | | | | | | |
|---------------|-----|-----|--|---|---|---|---|---|----------|--|
| STEP | 1 | - 1 | | 4 | 5 | 6 | 7 | 8 | | |
| RATE | 50 | | | | | | | | (0 ~ 99) | |
| LEVEL. | 00 | | | | | | | | (0 ~ 99) | |
| SUS/END | END | | | | | | | | | |

DCO 2

| WAVE FORM | | | | | | |
|-----------|---------|--|--|--|--|--|
| FIRST | SECOND | | | | | |
| | | | | | | |
| | | | | | | |
| | ļ | | | | | |
| £4 D1 | (A) (B) | | | | | |

| | | Е | N V | (PITCI | 4) | | | | |
|---------|---|---|-----|--------|----|---|---|---|---------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | | | | | | | | | (0 ~ 99 |
| LEVEL | | | | | | | | | (0 - 99 |
| SUS/END | | | | | | | | - | |

DCW 1

| KEY FOLLOW | |
|------------|-------|
| 0 | (0-9) |

| | | N V | (WAV | E) | | | |
|---------|-----|-----|------|----|---|---|--------|
| STEP | 1 | 3 | 4 | 5 | 6 | 7 | |
| RATE | 99 | | | | | | (0 ~ 9 |
| LEVEL | 00 | | | | | | (0 ~ 9 |
| SUS/END | END | | | - | | | |

DCW 2

| {0 - 9 |
|--------|
| |

| | | E | ■ V | (WAV | E) | | | |] |
|---------|---|---|-----|------|----|---|---|---|---------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | | | | | | | | | (0 - 98 |
| LEVEL | | | | | | | | | (0 - 98 |
| SUS/END | | | | | | | | | 1 |

DCA 1

| KEY FOLLOW | |
|------------|---------|
| 1 | (0 - 9) |

| E W V (AMP) | | | | | | | | | | |
|-------------|----|-----|---|---|---|---|---|---|----------|--|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | В | } | |
| RATE | 99 | 58 | | | | | | | (0 ~ 99) | |
| LEVEL | 99 | 00 | | | | | | | (0~99) | |
| SUS/END | | END | | | | | | 1 | 1 | |

DCA 2

| KEY FOLLOW | |
|------------|---------|
| | (0 - 9) |
| | 1 |

| E N V (AMP) | | | | | | | | | |
|-------------|---|----|---|---|---|---|---|---|----------|
| STEP | 1 | _2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | | | | | | | | | (0 ~ 99) |
| LEVEL | | | | | | | | | (0~99) |
| SUS/END | | | | | | | | | |

COMMENT Animated effect for sound that has many applications.

MOTORCYCLE SOUND

CARTRIDGE NO. TONE NO.

PARAMETER

| | MODULATION | | | | |
|-------------------|------------|-------|--|--|--|
| LINE SELECT | RING | NOISE | | | |
| 1+2' | OFF | OFF | | | |
| H 2 1 ± 21 1 ± 11 | /ON/OFF | | | | |

| | DETUNE | | | | | | | | | |
|---|--------|--------------|----------|----------|--|--|--|--|--|--|
| | +1- | OCTAVE | NOTE | FINE | | | | | | |
| | _ | 1 | 00 | 00 | | | | | | |
| - | (+/-) | $(0 \sim 3)$ | (0 - 11) | (0 ~ 60) | | | | | | |

| | VIBR | 0 | CTAVE | | |
|---------|----------|--------|----------|-------|-------|
| WAVE | DELAY | RATE | DEPTH | +1- | RANGE |
| _1 | 92 | 08 | 56 | _ | 1 |
| (1 ~ 4) | (0 – 99) | (0~99) | (0 - 99) | (+1-) | (0-1) |

1

DCO 1

| WAVE FORM | | | | | | |
|-----------|---------|--|--|--|--|--|
| FIRST | SECOND | | | | | |
| 2 | 4 | | | | | |
| /1 _ 9) | (0 - 9) | | | | | |

| | | E | N V | (PITCI | н) | | | | 1 |
|---------|----|----|-----|--------|-----|---|---|---|------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 25 | 40 | 35 | 40 | 03 | | | | {0-9 |
| LEVEL | 70 | 20 | 79 | 70 | 00 | | | | (0-9 |
| SUS/END | | | | SUS | END | | | | |

2

DCO 2

| WAVE | FORM |
|-------|---------|
| FIRST | SECOND |
| 2 | 4 |
| (1-8) | (0 - 8) |

| E N V (PITCH) | | | | | | | | | 1 |
|---------------|----|----|----|-----|-----|---|---|---|--------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 25 | 40 | 35 | 40 | 03 | | | | (0-9 |
| LEVEL | 70 | 20 | 79 | 70 | 00 | | | | (0 - ! |
| SUS/END | | | | SUS | END | | | | 1 |

DCW 1

| KEY FOLLOW | |
|------------|---------|
| 9 | (0 ~ 9) |

| E N V (WAVE) | | | | | | | | |] |
|--------------|-----|-----|---|---|---|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| PATE | 76 | 32 | | | | | | | (0 - 99 |
| LEVEL | 49 | 00 | | | | | | | (0 - 99) |
| SUS/END | SUS | END | | | | | | | j |

| DCW | 2 |
|-----|---|

| KEY FOLLOW | 1 |
|------------|---------|
| 0 | (0 - 9) |

| | | | ■ V | (WAV | E) | | | | 1 |
|---------|-----|-----|-----|------|----|---|---|---|--------|
| STEP | 1 | 2 | _3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 76 | 32 | | | | | | | (0 - 9 |
| LEVEL | 84 | 00 | | | | | | | {0~§ |
| SUS/END | SUS | END | | | | | | | |

DCA 1

| KEY FOLLOW | |
|------------|---------|
| 2 | (0 ~ 9) |

| | | | E N V | (AMP |) | | | |] |
|---------|----|-----|-------|------|---|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 1 |
| ĤATE | 70 | 62 | 30 | | | | | | (0-99 |
| LEVEL | 69 | 94 | 00 | | | | | | (0 - 99) |
| SUS/END | | SUS | END | _ | | | | | 1 |

DCA 2

| KEY FOLLOW | |
|------------|---------|
| 2 | (0 ~ 9) |

| | | | E N V | (AMP |) | | | | |
|---------|----|-----|-------|------|---|---|---|---|---------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 1 |
| RATE | 70 | 62 | 30 | | | | | | (0 ~ 98 |
| LEVEL | 69 | 99 | 00 | | | | | | (0~99 |
| SUS/END | | SUS | END | | - | | _ | | |

COMMENT Pressing various keys at different timing sounds like motorcycle race.

TONE NAME CARTRIDGE NO. TONE NO. EXPLOSION SOUND

PARAMETER

| | MODULATION | | | | |
|-----------------|------------|-------|--|--|--|
| LINE SELECT | RING | NOISE | | | |
| 1+2' | OFF | ON | | | |
| (1,2,1+2',1+1') | (ONA | OFF) | | | |

| | DETUNE | | | | | | | |
|-------|--------|----------|--------|--|--|--|--|--|
| +1- | OCTAVE | NOTE | FINE | | | | | |
| _ | 2 | 00 | 00 | | | | | |
| (+1-) | (0~3) | (0 ~ 11) | (0-60) | | | | | |

| | VIBP | 0 | CTAVE | | |
|------|-------|------|-------|-----|-------|
| WAVE | DELAY | RATE | DEPTH | +/- | RANGE |
| l . | | | | | |
| 4 | 00 | 50 | 20 | | 1 |

\blacksquare

DCO 1

| WAVE | FORM |
|---------|--------|
| FIRST | SECOND |
| 2 | 4 |
| (1 - 8) | (0~8) |

| | | Е | ■ V | (PITC | H) | | | | |
|---------|-----|---|-----|-------|----|----|---|---|------|
| STEP | 1 | 2 | 3 | 4 | 5 | -6 | 7 | 8 | |
| RATE | 50 | | | | | | | | (0~9 |
| LEVEL | 00 | | | | | | | | (0~9 |
| SUS/END | END | | | | | | | | 1 |

2

DCO 2

| WAVE FORM | | | | | |
|-----------|---------|--|--|--|--|
| FIRST | SECOND | | | | |
| 2 | 4 | | | | |
| (1 ~ 8) | (0 ~ 8) | | | | |

| | | | E III V | (PITC | н) | | | | 7 |
|---------|-----|---|---------|-------|----|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 50 | | | | | | | | (0 ~ 99) |
| LEVEL | 00 | | | | | | | | (0 99) |
| SUS/END | END | | | | | | | | - |

DCW 1

| KEY | FOLLOW | |
|-----|--------|---------|
| | 9 | (0 ~ 9) |

| E N V (WAVE) | | | | | | | | | |
|--------------|----|----|-----|---|-----|---|---|---|---------|
| STEP | 1 | 2 | 3 | 4 | - 6 | 6 | 7 | 8 | |
| RATE | 76 | 83 | 32 | | | | | | (0~99 |
| LEVEL | 84 | 55 | 00 | | | | | | (0 ~ 99 |
| SUS/END | | | END | | | | | | |

DCW 2

| KEY FOLLOW | |
|------------|---------|
| | (O ~ 9) |

| | | Ε | N V | (WAV | Ε) | | | | |
|---------|----|-----|-----|------|----|-----|---|---|---------|
| STEP | 1 | 2 | 3 | 4 | 5 | . 6 | 7 | 8 | |
| RATE | 76 | 42 | | | | | | | (0 ~ 99 |
| LEVEL | 84 | 00 | _ | | | | | | (0 - 99 |
| SUS/END | | END | | | | | | | |

DCA 1

| KEY FOLLOW | |
|------------|-------|
| 2 | (0~9) |

| | | E | E N V | (AMP |) | | | | |
|---------|----|----|-------|------|---|---|---|---|------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 99 | 97 | 54 | | | | | | (0 ~ |
| LEVEL | 53 | 70 | 00 | | | | | | (O ~ |
| SUS/END | | | END | | | | | | |

DCA 2

| KEY FOLLOW | |
|------------|--------|
| 2 | (0 ~ 9 |

| | | - 1 | E N V | (AMP |) | | | |
|---------|----|-----|-------|------|---|---|---|--------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | |
| RATE | 95 | 97 | 25 | 30 | | | | (0 - 9 |
| LEVEL | 69 | 99 | 90 | 00 | | | | (0~9 |
| SUS/END | | | | END | | | | |

COMMENT

Hitting the mid-range keys produces explosion sound.

99)

TONE NAME CARTRIDGE NO. TONE NO. **TELEPHONE CALL**

PARAMETER

| | MODUI | ATION |
|-----------------|-------|-------|
| LINE SELECT | RING | NOISE |
| 1+1' | ON | OFF |
| (1,2,1+2',1+1') | (QN/ | OFF) |

| DETUNE | | | | | | | | | |
|--------|---------|--------|----------|--|--|--|--|--|--|
| +1- | OCTAVE | NOTE | FINE | | | | | | |
| | 3 | 11 | 24 | | | | | | |
| (+/-) | (0 - 3) | (0~11) | (0 - 60) | | | | | | |

| VIBRATO | | | | | | | | | |
|---------|----------|--------|--------|--|--|--|--|--|--|
| WAVE | DELAY | RATE | DEPTH | | | | | | |
| 1 | 00 | 50 | 00 | | | | | | |
| (1 ~ 4) | (0 ~ 99) | (0~99) | (0~99) | | | | | | |

| | OCTAVE | | | | | | | | | |
|---|--------|-------|--|--|--|--|--|--|--|--|
| | +1- | RANGE | | | | | | | | |
| } | + | 0 | | | | | | | | |
| | (+/-) | (0-1) | | | | | | | | |

DCO 1

| WAVE FORM | | | | | | | | |
|-----------|--------|--|--|--|--|--|--|--|
| FIRST | SECOND | | | | | | | |
| 2 | 0 | | | | | | | |
| | | | | | | | | |

| | | Е | N V | (PITCI | -() | | | | ì |
|-------|----|---|-----|--------|-----|---|---|---|--------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 6 | |
| RATE | 50 | | | | | | | | (0 - 9 |
| LEVEL | 00 | | | | | | | | (0 - 9 |
| | | | | | | | | | 1 |

DCO 2

| WAVE FORM | | | | | | | |
|-----------|--------|--|--|--|--|--|--|
| FIRST | SECOND | | | | | | |
| | | | | | | | |
| | | | | | | | |

| , | | | E | N V | (PITCI | -11 | | | | 1 |
|---|---------|---|---|-----|--------|-----|---|---|---|--------|
| i | STEP | 1 | 2 | 3 | 4 | R | 6 | 7 | 8 | |
| | RATE | | | | | | | | | (0 - 9 |
| | LEVEL | | | | | | | | | (0~9 |
| | SUS/END | | | | | | | | | |

DCW 1

| KEY FOLLOW | |
|------------|------|
| 4 | (0-9 |

| E ■ V (WAVE) | | | | | | | | | | |
|--------------|-----|-----|---|---|---|---|---|---|----------|--|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | |
| RATE | 96 | 55 | | | | | | | (0 - 99) | |
| LEVEL | 54 | 00 | | | | | | | (0 ~ 99) | |
| SUS/END | SUS | END | | | | | | |] | |

DCW 2

| KEY FOLLOW | |
|------------|--------|
| | (O ~ 9 |
| | , |

| | | | N V | (WAV | E) | | | | 1 |
|---------|---|---|-----|------|----|---|---|---|---------|
| STEP | 1 | 2 | 3 | 4 | .5 | 6 | 7 | 8 | |
| RATE | | | | | | | | | (0 - 99 |
| LEVEL | | | | | | | | | (0~99 |
| SUS/END | | | | | | | | | |

DCA 1

| KEY FOLLOW | |
|------------|---------|
| 0 | (0 - 9) |

| E N V (AMP) | | | | | | | | | |
|-------------|----|----|----|----|----|----|-----|---|---------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | В | ļ |
| RATE | 99 | 03 | 70 | 29 | 99 | 03 | 70 | | (0 - 99 |
| LEVEL | 99 | 97 | 00 | 01 | 99 | 97 | 00 | | (Q 99 |
| SUS/FND | | | | | | | END | | |

DCA 2

| KEY FOLLOW | |
|------------|---------|
| | (0 ~ 9) |
| | , , |

| | | E | E N V | (AMP |) | | | | |
|---------|----|---|-------|------|---|---|---|---|----------|
| STEP | 1_ | 2 | 11 | 4 | | 6 | 7 | 8 | |
| RATE | | | | | | | | | (0 ~ 99) |
| LEVEL | | | | | | | | | (0 - 99 |
| SUS/END | | | | | | | | | |

COMMENT

Pressing any key from E4 through A4 produces two telephone rings.

COMPUTER GAME SOUND CARTRIDGE NO. TONE NO.

PARAMETER

| | MODUL | ATION |
|-------------|-------|-------|
| LINE SELECT | RING | NOISE |
| LINE SELECT | nina | NOISE |
| | | |
| 1+2' | OFF | OFF |

| | Dê | | | | |
|-------|---------|----------|----------|--|--|
| +1- | OCTAVE | NOTE | FINE | | |
| + | 0 | 00 | 01 | | |
| (+1-) | (0 - 3) | (0 ~ 11) | (0 - 60) | | |

| | VIBR | | 00 | TAVE | | |
|---------|--------|--------|--------|------|-----|---------|
| WAVE | DELAY | RATE | DEPTH | + | 1- | RANGE |
| 4 | 50 | 64 | 99 | - | +] | 0 |
| (1 - 4) | (0~99) | (0-99) | (0~99) | (+ | 1-) | (0 ~ 1) |

Π

DCO 1

| WAVE | FORM |
|---------|---------|
| FIRST | SECOND |
| 2 | 0 |
| (1 ~ 8) | (0 - B) |

| ■ N V (PITCH) | | | | | | | | | | | | |
|---------------|----|----|----|----|----|-----|-----|---|----------|--|--|--|
| STEP | 1_ | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | | | |
| RATE | 99 | 99 | 10 | 99 | 10 | 99 | 00 | | (0 ~ 99) | | | |
| LEVEL | 01 | 32 | 33 | 59 | 58 | 66 | 00 | | (0~99) | | | |
| SUS/END | | | | | | SUS | END | | | | | |

2

DCO 2

| WAVE | FORM |
|---------|---------|
| FIRST | SECOND |
| 2 | 0 |
| (1 ~ B) | (B ~ C) |

| | | | | | | | | | , | |
|-----------------|----|----|----|----|----|-----|-----|---|----------|--|
| _ E ■ V (PITCH) | | | | | | | | | | |
| STEP | 1 | 2 | 3 | 4 | 5 | | 7 | | | |
| RATE | 00 | 99 | 10 | 99 | 10 | 99 | 00 | | (0 - 99) | |
| LEVEL | 01 | 32 | 33 | 59 | 58 | 00 | 00 | | (0 - 99) | |
| SUS/END | | | | | | SUS | END | - | | |

DCW 1

| KEY FOLLOW | |
|------------|---------|
| 9 | (0 ~ 9) |

| | | Е | N V | (WAVI | E) | | | | |
|---------|-----|-----|-----|-------|----|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 99 | 50 | | | | | | | (0 - 99) |
| rever | 70 | 00 | | | | | | | (0 - 99) |
| SUS/END | SUS | END | | | | | | | |

DCW 2

| KEY FOLLOW | |
|------------|---------|
| 9 | (0 ~ 9) |

| | | E | N V | (WAV | E) | | | | |
|---------|-----|-----|-----|------|----|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5_ | 6 | 7 | 8 | |
| RATE | 99 | 50 | | | | | | | (0 - 99) |
| LEVEL | 70 | 00 | | | | | | | (0 ~ 99) |
| SUS/END | SUŞ | END | | | | | | | |

DCA 1

| KEY FOLLOW | |
|------------|-------|
| 0 | (0~9) |

| E ■ V (AMP) | | | | | | | | | |
|-------------|----|----|-----|-----|---|--|---|---|---------|
| STEP | 1 | 2 | 3 | 4 | 5 | | 7 | 8 | |
| RATE | 99 | 15 | 33 | 50 | | | | | (0 ~ 99 |
| LEVEL | 99 | 98 | 50 | 00 | | | | | (0 - 99 |
| SUS/END | | | SUS | END | | | | | 1 |

DCA 2

| KEY | FOLLOW | |
|-----|--------|---------|
| | 0 | (0 - 9) |

| E ■ V (AMP) | | | | | | | | | |
|-------------|----|----|-----|-----|---|---|---|---|--------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 99 | 00 | 99 | 50 | | | | | (0-99) |
| LEVEL | 99 | 98 | 90 | 00 | | | | | (0~99) |
| SUS/END | | | SUS | END | | | | | |

COMMENT Comical, computer game sound.

| TONE NAME | CARTRIDGE NO. | TONE NO. |
|-------------------------|---------------|----------|
| '70's SYNTHESIZER SOUND | | |

PARAMETER

| | MODULATION | | | | | |
|-----------------|------------|-------|--|--|--|--|
| LINE SELECT | RING | NOISE | | | | |
| 1+1' | OFF | OFF | | | | |
| (1,2,1+2',1+1') | (ON/OFF) | | | | | |

| | DETUNE | | | | | | | | | |
|-------|--------|--------|----------|--|--|--|--|--|--|--|
| +/- | OCTAVE | NOTE | FINE | | | | | | | |
| | 1 | 00 | 00 | | | | | | | |
| (+1-) | (0-3) | (0-11) | (0 ~ 60) | | | | | | | |

| | OCTAVE | | | | |
|---------|--------|------------|--------|-------|---------|
| WAVE | DELAY | DELAY RATE | | +/- | RANGE |
| 1 | 00 | 50 | 00 | + | 0 |
| (1 ~ 4) | (0~99) | (0~99) | (0~99) | (+/-) | (0 ~ 1) |

1

DCO 1

| WAVE FORM | | | | | | | |
|-----------|---------|--|--|--|--|--|--|
| FIRST | SECOND | | | | | | |
| 1 | 6 | | | | | | |
| (1 ~ 8) | (0 ~ 8) | | | | | | |

| - | | | N V | (PITC | H) | | | | |
|---------|-----|---|-----|-------|----|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 50 | | | | | | | | (0 ~ 99) |
| LEVEL | 00 | | | | | | | | (0 - 99) |
| SUS/END | END | | | | | | | | |

2

DCO 2

| WAVE | FORM |
|-------|--------|
| FIRST | SECOND |
| | |
| | |
| | |

| | | Е | ΝV | (PITCI | H) | | | | |
|---------|---|---|----|--------|----|---|---|---|---------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | | | | | | | | | (0 - 9) |
| LEVEL | | | | | | | | | (0 - 9) |
| SUS/END | | | | | | | | | |

DCW 1

| KEY FOLLOW | |
|------------|------|
| 0 | (0 - |

| E N V (WAVE) | | | | | | | | | |
|--------------|----|----|-----|-----|---|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 35 | 29 | 24 | 26 | | | | | (0 – 99) |
| LEVEL | 62 | 41 | 30 | 00 | | | | | (0 ~ 99) |
| SUS/END | | | SUS | END | | | | | |

DCW 2

| KEY | FOLLOW | |
|-----|--------|---------|
| | _ | (0 - 9) |
| | | (0 - 9) |

| | | | N V | (WAV | E) | | | | |
|---------|---|---|-----|------|----|---|---|---|---------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | | | | | | | | | (0 - 9) |
| LEVEL | | | | | | | | | (0 ~ 9) |
| SUS/END | | | | | | | | | |

DCA 1

| KEY FOLLOW | |
|------------|-------|
| 0 | (0~9) |

| | | | | | | | | | 1 |
|----------|----|------|----------|------|---|---|---|---|--------|
| | | | <u> </u> | (AMP | } | | | | |
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | B | |
| RATE | 70 | 28 | 79 | 40 | | | | | (0 ~ 9 |
| LEVEL | 99 | 91 | 59 | 00 | | | | | (0-9 |
| CHOKEMIN | | 9119 | | END | | | | | |

DCA 2

| KEY FOLLOW |] |
|------------|------|
| | |
| | 10-8 |

| | | | E N V | (AMP |) | | | | |
|---------|---|---|-------|------|---|---|---|---|---------|
| STEP | 1 | 2 | 3 | 4_ | 5 | 6 | 7 | 8 | |
| RATE | | | | | | | | | (0 ~ 99 |
| LEVEL | | | | | - | | | | (0-99 |
| SUS/END | | | | | | | | | |

COMMENT Resembles analog synthesizer of 1970's.

TONE NAME CARTRIDGE NO. TONE NO. THUNDER SOUND

PARAMETER

| | MODUI | .ATION |
|-----------------|-------|--------|
| LINE SELECT | RING | NOISE |
| 1+2' | OFF | ON |
| (1,2,1+2',1+1') | (ON/ | OFFI |

| DETUNE | | | | | |
|--------|---------|----------|----------|--|--|
| +1- | OCTAVE | NOTE | FINE | | |
| | 2 | 00 | 00 | | |
| (+1-1 | (0 - 3) | (0 - 11) | (f) (f)) | | |

| | Ö | CTAVE | | | |
|---------|----------|---------------|----------|-------|-------|
| WAVE | DELAY | RATE | DEPTH | +/- | RANGE |
| 4 | 00 | 50 | 20 | | 1 |
| (1 ~ 4) | (0 - 99) | $(0 \sim 99)$ | (0 ~ 99) | (+/-) | (0-1) |

DCO 1

| WAVE FORM | | | | | |
|-----------|---------|--|--|--|--|
| FIRST | SECOND | | | | |
| 2 | 4 | | | | |
| (1 - 8) | (8 - 0) | | | | |

| | | E | N V | (PITC | H) | | | |) |
|---------|----|-----|-----|-------|----|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 99 | 50 | | | | | | | (0 - 99) |
| LEVEL | 70 | 00 | | | | | | | (0-99) |
| SUS/END | | END | | | | | | | 1 |

2

DCO 2

| WAVE | FORM |
|---------|---------|
| FIRST | SECOND |
| 2 | 3 |
| (1 - 8) | (8 - 0) |

| | | | | | | | _ | | |
|---------|----|-----|-----|--------|----|---|---|---|----------|
| | | E | H V | (PITCI | H) | | | | |
| STEP | 1 | | 3 | 4 | 5 | 6 | 7 | В | |
| RATE | 97 | 45 | | | | | | | (0 ~ 99) |
| LEVEL | 63 | 00 | | | | | | | (0 ~ 99) |
| SUS/END | | END | | | | | | | 1 |

DCW 1

| KEY FOLLOW | |
|------------|-------|
| 9 | (0 9) |

| E ■ V (WAVE) | | | | | | | | | | |
|--------------|----|----|-----|---|---|---|---|---|----------|--|
| STEP | 11 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | |
| RATE | 99 | 72 | 32 | | | | | | (0-99) | |
| LEVEL | 84 | 55 | 00 | | | | | | (0 - 99) | |
| SUS/END | | | END | | | | | | | |

DCW 2

| KEY FOLLOW | |
|------------|---------|
| 0 | (0 - 9) |

| | | Ε | N V | (WAV | Ξ) | | | | |
|---------|----|-----|-----|------|----|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 76 | 42 | | | | | | | (0 ~ 99) |
| LEVEL | 84 | 00 | | | | | | | (0 ~ 99) |
| SUS/END | | END | | | | | | | |

DCA 1

| KEY FOLLOW | |
|------------|-------|
| 2 | (0~9) |

| | | | E N V | (AMP |) | | | | |
|---------|----|----|-------|------|---|---|---|---|--------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 99 | 60 | 54 | | | | | | (0 ~ 9 |
| LEVEL | 90 | 80 | 00 | | | | | | (0~! |
| SUS/END | | | END | | | | | | 1 |

DCA 2

| KEY FOLLOW | |
|------------|-------|
| 3 | (0~9) |

| | | i | = N | (AMP |) | | | | 1 |
|---------|----|----|-----|------|---|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | В |] |
| RATE | 95 | 97 | 25 | 30 | | | | | (0 ~ 99) |
| LEVEL | 69 | 99 | 90 | 00 | | | | | (0 99) |
| SUS/END | | | | END | | | | | |

COMMENT Press multiple keys.

| TONE NAME | CARTRIDGE NO. | TONE NO. |
|-----------|---------------|----------|
| MEOW | | |

PARAMETER

| | MODUL | ATION | | |
|---------------------|----------|-------|--|--|
| LINE SELECT | RING | NOISE | | |
| 1+1' | OFF | OFF | | |
| (1.2.1 + 2'.1 + 1') | (ON/OFF) | | | |

| DETUNE | | | | | | | | | | |
|--------|---------|-----------|----------|--|--|--|--|--|--|--|
| +/- | OCTAVE | NOTE | FINE | | | | | | | |
| + | 0 | 00 | 00 | | | | | | | |
| /+/-1 | (0 ~ 3) | (0 ~ 11). | (0 - 60) | | | | | | | |

| | 00 | CTA | | | |
|-------|--------|----------|----------|-------|----|
| WAVE | DELAY | RATE | DEPTH | +/- | RA |
| 1 | 00 | 50 | 00 | + | |
| (1-4) | (0~99) | (0 ~ 99) | (0 ~ 99) | (+/-) | (0 |

| | 00 | OCTAVE | | | | | |
|---|-------|--------|--|--|--|--|--|
| ī | +/- | RANGE | | | | | |
| | + | 1 | | | | | |
| | 1.1.5 | /0 15 | | | | | |

1

DCO 1

| WAVE FORM | | | | | |
|-----------|---------|--|--|--|--|
| FIRST | SECOND | | | | |
| 7 | 0 | | | | |
| (1 - 8) | (0 - B) | | | | |

| | | Е | N V | (PITCI | -i) | | | | |
|---------|----|----|-----|--------|-----|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5_ | 6 | 7 | 8 | |
| RATE | 00 | 20 | 70 | 50 | | | | | (0 - 99) |
| LEVEL | 01 | 20 | 00 | 00 | | | | | (0 ~ 99) |
| SUS/END | | | | END | | | | | 1 |

DCO 2

| WAVE | FORM |
|--------|-----------|
| FIRST | SECOND |
| | |
| | |
| | |
| 70 (0) | frs - 0.5 |

| | | | |
|----|-----|------|----|
| (1 | ~8) | (O - | 8) |

| | | | | | : . | | | | 1 |
|---------|---|---|----|--------|-----|---|---|---|-------|
| | | | NV | (PITCI | H) | | | | |
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | | | | | | | | | (0~99 |
| LEVEL | | | | | | | | | (0~98 |
| SUS/END | | | | | | | | | |

DCW 1

| KEY FOLLOW | |
|------------|---------|
| 0 | (0 - 9) |

| E N V (WAVE) | | | | | | | | | |
|--------------|----|----|----|----|-----|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 99 | 47 | 32 | 40 | 50 | | | | (0 - 99) |
| LEVEL | 60 | 36 | 30 | 00 | 00 | | | | (0 ~ 99) |
| SUS/END | | | | | END | | | | |

DCW 2

| KEY | FOLLOW | |
|-----|--------|------|
| | | (0~9 |
| | | , |

| | | E | N V | (WAV | Ξ) | | | | |
|---------|---|---|-----|------|----|---|---|---|---------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | | | | | | | | | (0 ~ 99 |
| LEVEL | | | | | | | | | (0 - 99 |
| SUS/END | | | | | | | | | |

DCA 1

| KE | Y FOLL | OW |
|----|--------|---------|
| | 0 | (0 ~ 9) |

| | | 1 | E 🛮 V | (AMP |) | | | | |
|-----------|----|----|--------|------|---|---|---|---|----------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| RATE | 75 | 25 | 50 | | | | | | (0 ~ 99) |
| LEVEL | 90 | 99 | 00 | | | | | | (0 - 99) |
| OLIGIENIO | | | PERSON | | | | | | |

DCA 2

| KEY FOLLOW | |
|------------|---------|
| | (0 - 9) |

| | | | E N V | (AMP |) | | | | |
|---------|---|---|-------|------|---|---|---|---|---------|
| STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | В | |
| RATE | | | | | | | | | (0 - 99 |
| LEVEL | | | | | | | | | (0~99 |
| SUS/END | | | | | | | | | |

Sound of cat crying. Differs according to how long keys are pressed. COMMENT

SOUND DATA—

| | | | TON | E NAM | E | C | ARTRID | GE N | 0. | TONE NO. | | | |
|--|-----------|---------|-----------|------------------|---|----------|---------|----------|---------|----------|-----|-----|--------------|
| PARAMETER | | | | | | | | | | | | | |
| MODULA | ION | | DETU | NE | | | VI | BRATO | | | 7 - | oc- | TAVE |
| | IOISE | +1- 00 | | | INE | WAVE | DELA | | TE I | DEPTH | 1 7 | | RANG |
| 10100 CONICE | | (+/-) (| 0 3) (0 | . 11) 10 | - 60) | 73 - 45 | /0 - 00 | 10-1 | 00) | (0 - 99) | | | /0 4) |
| ,2,1+2',1+1') (ON/OF | , | (+1-) (| 0 – 0) (u | [~11] [0 ■ | - 60) | (1 ~ 4) | (0 ~ 99 | (0~1 | 99) | (0 - 50) | | ,-, | (0 → 1) I |
| 1 | | | | | 2 | | | | | | | | |
| DCO 1 | | | | | DCO | 2 | | | | | | | |
| WAVE FORM | | | | | | FORM | | | | | | | |
| FIRST SECOND | | | | | FIRST | SECO | ND | | | | | | |
| | | | | | | | | | | | | | |
| (1 - 8) (0 - 8) | | | | _ | (1 ~ 8) | (0 - | | | | | | | , |
| STEP 1 2 3 | V (PITCH) | 5 6 | 7 8 | | STEP | 1 | 2 3 | V (PITCI | H) 5 | 6 | 7 | 8 | - |
| RATE | | | | (0 ~ 99) | RATE | | | | | | | | (0~8 |
| | | | | (0 - 99) | LEVEL | | | | | | | | (O~E |
| LEVEL | | | | | | | | | | | | | 10 0 |
| LEVEL SUS/END | + | | | - | SUS/END | | | | | | | | |
| SUS/END SUS/END | | | | | | | | - | | | | | } |
| | | | | | SUS/END DCW | 2 | | | | | | | |
| DCW 1 | | | | | | | | | | | | | |
| DCW 1 | | | | | DCW | | 9) | | | | | | } |
| DCW 1 KEY FOLLOW (0 ~ 9) | V (WAVE) | | | 7 | DCW | w | | V (WAV) | E) | | | |] |
| DCW 1 (0 ~ 9) | V (WAVE) | 5 6 | 7 8 | | DCW | w | | V (WAVI | E) 5 | 6 | 7 | 8 | |
| DCW 1 (EY FOLLOW (0 ~ 9) | | 5 6 | 7 8 | (0~99) | DCW KEY FOLLO | (0 - s | EN | | | 6 | 7 | 8 | (0-9 |
| DCW 1 EY FOLLOW (0~9) EN STEP 1 2 3 | | 5 6 | 7 8 | | NEY FOLLO | (0 - s | EN | | | 6 | 7 | 8 | - |
| DCW 1 (EY FOLLOW (0~9) E N STEP 1 2 3 RATE LEVEL | | 5 6 | 7 8 | (0~99) | NEY FOLLOW | (0 - s | EN | | | 6 | 7 | 8 | - |
| DCW 1 (0~9) E N STEP 1 2 3 RATE LEVEL SUS/END | | 5 6 | 7 8 | (0~99) | STEP RATE LEVEL SUS/END | (0 - s | EN | | | 6 | 7 | 8 | - |
| DCW 1 (0 ~ 9) E N STEP 1 2 3 RATE LEVEL SUS/END DCA 1 | | 5 6 | 7 8 | (0~99) | STEP RATE LEVEL SUS/END | (0 - 1 | EN | | | 6 | 7 | 8 | - |
| DCW 1 (EY FOLLOW (0 ~ 9) E N STEP 1 2 3 RATE LEVEL SUS/END DCA 1 | | 5 6 | 7 8 | (0~99) | STEP RATE LEVEL SUS/END | W (0-1 | E N 2 3 | | | 6 | 7 | 8 | - |
| DCW 1 EY FOLLOW (0 ~ 9) E N STEP 1 2 3 RATE LEVEL SUS/END DCA 1 | | 5 6 | 7 8 | (0~99) | STEP RATE LEVEL SUS/END | (0 - 1 | E N 2 3 | | | 6 | 7 | 8 | - |
| DCW 1 (0~9) E N STEP 1 2 3 RATE LEVEL SUS/END (0~9) (0~9) | | 5 6 | 7 8 | (0~99) | STEP RATE LEVEL SUS/END | W (0-1 | E N 2 3 | | 5 | 6 | 7 | 8 | - |
| DCW 1 | 4 1 | 5 6 | 7 8 | (0~99) | STEP RATE LEVEL SUS/END | W (0-1 | E N 2 3 | V (AMP | 5 | 6 | 7 | 8 | - |
| DCW 1 (0~9) E N STEP 1 2 3 RATE LEVEL SUS/END (0~9) E N (0~9) (0~9) E N (0~9) (0~9) E N (0~9) (0~9) E N (0~9) (0~9) E N (0~9) (0~9) E N (0~9) (0 | 4 1 | | | (0~99) | STEP RATE LEVEL SUS/END KEY FOLLO | W (0 - 1 | E N 2 3 | V (AMP | 5 | | | | (0~9 |
| DCW 1 (0 ~ 9) E N STEP 1 2 3 STEP 1 2 3 STEP 1 2 3 STEP 1 2 3 STEP 1 2 3 STEP 1 2 3 STEP 1 2 3 STEP 1 2 3 STEP 1 2 3 STEP 1 2 3 STEP 1 2 3 STEP 1 2 3 STEP 1 2 3 STEP 1 2 3 STEP 1 2 3 STEP 3 STEP 1 2 3 STEP 3 STEP 1 2 3 STEP 3 STE | 4 1 | | | (0~99) (0~99) | STEP RATE LEVEL SUS/END KEY FOLLOW STEP | W (0 - 1 | E N 2 3 | V (AMP | 5 | | | | (0-9) |

SOUND DATA -

| | TONE NAME | | CARTRIDGE NO. | TONE I | NO. |
|--|------------|------------|--|---------|---------------|
| PARAMETER | | | | | **** |
| UNE SELECT MODULATION +/- O +/- O (1,2,1+2',1+1') (ON/OFF) (+/-) | | | VIBRATO DELAY RATE DEF (0~99) (0~99) (0~ | PTH +/- | TAVE RANGI |
| 1 | 2 | | | | |
| DCO 1 | D | CO 2 | | | |
| WAVE FORM FIRST SECOND | | WAVE FORM | | | |
| (1~8) (Q~8) | (1 | ~8) (0~8) | | | |
| ■ N V (PITCH) | | ED 1 4 1 0 | E N V (PITCH) | 7 0 | |
| STEP 1 2 3 4 5 6 RATE | | EP 1 2 | 3 4 5 6 | 7 8 | (0-9 |
| LEVEL | | /EL | | | (0-8 |
| SUS/END SUS/END | | /END | | | |
| DCW 1 | D | CW 2 | | | |
| KEY FOLLOW | KEY | FOLLOW | | | |
| (0 - 9) | | (O - 9) | | | |
| E N V (WAVE) | | | II N V (WAVE) | | |
| STEP 1 2 3 4 5 6 | | EP 1 2 | 3 4 5 6 | 7 8 | - |
| RATE | (0~99) FLA | TE | | | (0~9 |
| LEVEL | | /EL | | | (0~9 |
| SUS/END | | END | | | |
| DCA 1 | D | CA 2 | | | |
| KEY FOLLOW | KEY | FOLLOW | | | |
| (0 - 9) | | (0 ~ 8) | | | |
| ■ N V (AMP) | | | ENV(AMP) | 1 7 1 0 | |
| STEP 1 2 3 4 5 6 RATE | | EP 1 2 | 3 4 5 8 | 7 8 | (0~9 |
| | | | | | - |
| SUS/END SUS/END | | /END | | | (0~9 |
| 00002110 | 300 | | | | |

| TONI | E NAME | | | | CARTRIDGE NO. | | | | | TONE NO. | | |
|---|----------|-----------|---------|------|---------------|------------|----|----------|-----|----------|---------|--|
| PARAMETER | | | | | | | | | | | | |
| MODULATION DETUI | | NE E | IA/A)/E | Loc | VIBR | ATO RAT | = | DEPTH | 7 [| | AVE | |
| LINE SELECT RING NOISE +/- OCTAVE NO | OTE FI | NE | WAVE | DE | LAT | DAL | | DECTO | 1 | ,, | UNIVOI | |
| (1,2,1+2',1+1') (ON/OFF) (+/-) (0-3) (0 | ~11} (0- | -60) | (1 ~ 4) | (0 - | - 99) | (0-9 | 9) | (0 ~ 99) | (+ | 1-) | (0 - 1) | |
| 1 | | 2 | | | | | | | | | | |
| DCO 1 | | DCO | 2 | | | | | | | | | |
| WAVE FORM | | | FORM | A . | | | | | | | | |
| FIRST SECOND | | FIRST | SEC | | | | | | | | | |
| (1~8) (0-8) | | {1 - 8} | (0- | ~ 8) | | | | | | | | |
| (1~8) (0-8) E N V (PITCH) | | (3) | | | NV | (PITCI | 4) | | | | | |
| STEP 1 2 3 4 5 6 7 8 | - | STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | (0 - 6 | |
| RATE | (0 ~ 99) | PATE | | | | | | | | | | |
| LEVEL | (0~99) | SUS/END | | | | | | | _ | | {0~8 | |
| SUS/END | _ | | | | | | | | | | 4 | |
| DCW 1 | | DCW | | | | | | | | | | |
| KEY FOLLOW | | KEY FOLLO | | -9) | | | | | | | | |
| (0-9) | | | | | | | | | | | 4 | |
| E N V (WAVE) STEP 1 2 3 4 5 6 7 8 | | STEP | 1 | _ E | N V | (WAVE | 5 | В | 7 | 8 | | |
| RATE | (0~99) | RATE | | | | | | | | | (0- | |
| LEVEL | (0~99) | LEVEL | | | | | | | | | (0- | |
| SUS/END SUS/END | | SUS/END | | | | | | | | | | |
| DCA 1 | | DCA | 2 | | | | | | | | | |
| KEY FOLLOW | | KEY FOLL | | | | | | | | | | |
| (0~9) | | | (0 | ~9) | | | | | | | | |
| E N V (AMP) | 7 | | | | ENV | (AMP |) | _ | - | | 7 | |
| STEP 1 2 3 4 5 6 7 8 | | STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | |
| RATE | (0-99) | RATE | | | | | | | | | {0~ | |
| LEVEL | (0 - 99) | LEVEL | | | | | | | | | (0~ | |
| SUS/END SUS/END | | SUS/END | | | | | | 1 | | 1. | | |

COMMENT

SOUND DATA -

| | | | T | ONE | NAME | | | | CARTRIDGE NO. | | | | | TONE NO. | | |
|---------------------------|----------------|-------------|-------|-------|----------|------------|--------|-----|---------------|--------|-----|----------|-----|----------|---------|--|
| PARAMETER | | | | | | | | | | | | | | | | |
| МООП | LATION | | | DETUN | IE . | | | | VIBR | ATO | | | | OCT | AVE | |
| INE SELECT RING | NOISE | +1- (| CTAVE | | | INE V | VAVE | DE | LAY | RA1 | E | DEPTH | 1 + | | RANG | |
| ,2,1+2',1+1') (ON | (OFF) | (+/-) | (0-3) | (0- | -11) (0 | ~ 60) | 1 - 4) | (0- | - 99) | (0-9 | 99) | (0 ~ 99) | (+ | 1-) | (0 - 1) | |
| 1 | | | | | | 2 | | | | | | | | | | |
| DCO 1 | | | | | | DCO 2 | 2 | | | | | | | | | |
| WAVE FORM FIRST SECOND | | | | | | WAVE | FORM | | | | | | | | | |
| | | | | | | (4 0) | 10 | 01 | | | | | | | | |
| (1-8) (0-8) | N V (PITCH | 0 | | | 1 | (1 ~ 8) | (0 - | | NV | (PITCI | 4) | | | | 1 | |
| STEP 1 2 | 3 4 | 5 6 | 7 | 8 | | STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | |
| RATE | | | | | (0 - 99) | RATE | | | | | | | | | (0~9 | |
| LEVEL | | | | | (0-99) | LEVEL | | | | | | | | | (0~9 | |
| SUS/END | | | | |] | SUS/END | | | | | | | | | | |
| DCW 1 | | | | | | DCW : | 2 | | | | | | | | | |
| KEY FOLLOW | | | | | | KEY FOLLOW | V | | | | | | | | | |
| (0 ~ 9) | | | | | | | (0 - | -9) | | | | | | | | |
| | N. I. ISSIASIE | -1 | | | 1 | | | | N V | (WAV | E) | | | | 1 | |
| STEP 1 2 | N V (WAVE | 5 6 | 7 | 8 | | STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | |
| RATE | | | | | (0~99) | RATE | | | | | | | | | (0 ~ 9 | |
| LEVEL | | | | | (0~99) | LEVEL | | | | | | | | | (0 ~ 9 | |
| SUS/END | | | | | | SUS/END | | | | | | | | | | |
| DCA 1 | | | | | | DCA 2 | 2 | | | | | | | | | |
| KEY FOLLOW | | | | | | KEY FOLLOW | ٧ | | | | | | | | | |
| (0 - 9) | | | | | | | {0 - | -9) | | | | | | | | |
| | E N V (AMP |) | | - | 1 | | | | E N \ | (AMF | >) | | | | 1 | |
| STEP 1 2 | 3 4 | II 6 | 7 | 8 | | STEP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | |
| RATE | | | | | (0~99) | RATE | | | | | | | | | (0-9 | |
| | | | | | (0 - 99) | LEVEL | | | | | | | | | (0-1 | |
| LEVEL | | | | | (0-99) | LEVEL | | | | | | | | | 1 | |

COMMENT

CASIO

